Astral Space Exploration Grid:

Cosmogeopolism Through Stages of Development

General Symbology	Description

Resonance with Renaissance Art	For my Renaissance-inspired paintings, I decided to explore the concept of Cosmogeopolitics through the lens of the ASX-Grid, using specific artworks to delve into the complexities of future cosmic development. Domenico di Michelino's "Dante and His Poem" became a key piece where I reflected on interstellar politics, with Dante's journey through Inferno, Purgatory, and Heaven symbolizing cosmic civilizations striving to rise above dualistic realities and recognize the interconnectedness of the universe. This parallels the challenges that interstellar societies may face in uniting diverse cosmic identities within a shared framework of cooperation and understanding. Masaccio's fresco, "The Miracle with the Stater," inspired my examination of interstellar economies. The painting illustrates the intricate economic ties between space civilizations, highlighting how these relationships can lead to complexities and dysfunctions that demand significant enlightenment and reform. Through this artwork, I explore the economic challenges that may arise as diverse civilizations interact across vast cosmic distances. I also turned to sculptures like Benvenuto Cellini's "Perseus" and Michelangelo Buonarotti's "David," and paintings such as Leonardo da Vinci's "Lady with the Ermine" and "Mona Lisa," to further investigate Cosmogeopolitics. This self-developed term describes how human colonies, as they expand across multiple planets, star systems, and galaxies, will develop distinct identities influenced by their specific cosmic locations and geopolitical contexts. It also encompasses similar processes among potential xenocultures, specifically those with brain structures and perceptions akin to our own, whose interstellar identities will be shaped by environmental, cultural, biological, and political factors, leading to societies with varied technological advancements and complexities. However, for xenocultures that do not share similar cognitive structures or modes of perception, such as those indifferent to politics, identity, or other species-centric modalities, Cosmogeopolitics must adapt. In these cases, I explore how the principles of Cosmogeopolitics can be applied or reinterpreted to engage with sentient life forms that operate beyond the familiar frameworks of human-like governance and societal organization, seeking to establish meaningful interactions with life forms whose understanding of existence and interconnectivity vastly differs from our own.

	Through the ASX-Grid, I investigate how these unconventional approaches might foster cooperation or coexistence across the diverse tapestry of sentient beings in the cosmos. Through the ASX-Grid and these Renaissance-inspired artworks, I explore how Cosmogeopolitics provides a framework for understanding the dynamic interplay of identity, location, and geopolitical contexts in the cosmos. This exploration highlights the potential for stellar hierarchies, complex interspecies relationships, and the evolution of interstellar diplomacy, all driven by the diverse and ever-changing interstellar environment.
Section 1	**Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part I"** **Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part II"** **Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part III"** **Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part IV"**
The Square Hieroglyphs	The square hieroglyphs contain a phrase in my created language, the significance of which is concealed for the possessor of the artwork.
Section 2	**Painting "Astral Space Exploration: The Hidden Treasure"** **Painting "Astral Space Exploration: The Cosmic Enlightenment"** **Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part I"** **Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part II"** **Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part III"** **Painting "Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part IV"**
The Astral Space Exploration Grid (ASX Grid)	The Astral Space Exploration Model of Consciousness (ASX Grid) is a model of eight stages of consciousness through which in these particular paintings I explore how cosmogeopoliticism will evolve through these stages. Each stage reflects a progressive expansion of consciousness and civilization in cosmic development. The ASX Grid visualizes these stages through the eight-pointed symbol in the

	painting, representing the dynamic journey of interstellar cosmogeopolicy
Meaning of the Geometry I	In my work, the geometry I use carries a unique meaning: it interconnects all 36 paintings into a single cohesive narrative, forming a sci-fi novel told through art. Each geometric pattern serves as a visual chapter that explores the evolution of cosmic civilizations, as outlined by the ASX Grid, with every painting playing a crucial role in this broader storyline. These interconnected works offer more than isolated insights—they collectively weave a complex narrative where challenges and solutions unfold across the stages of cosmic development, from the Pre-Planetary to the Universal. The geometry acts as a visual thread that ties together diverse themes, such as interstellar robotics, architecture, philosophy, and economics, showing how these subjects are interconnected within each stage and across the entire series of paintings. This approach transforms the geometric patterns into a storytelling medium, where each figure and line contributes to the unfolding tale of cosmic evolution. I invite viewers to immerse themselves in this sci-fi narrative, decoding the intricate relationships and exploring how each painting connects to the next, creating a unified vision of humanity's journey through the cosmos.
Meaning of the Geometry II	My work unifies art, science, and spirituality through sacred geometry, transcending anthropocentric models and offering a multidimensional perspective on cosmic development. My Astral Space Exploration Model of Consciousness (ASX-Grid), comprising eight stages from Pre-Planetary to Universal, forms the foundation of my art, reflecting a progression where challenges expand in scope and complexity as civilizations advance. Each painting uses dots, lines, and spheres as a visual map representing interconnected planetary systems, star clusters, galaxies, and even potential multiverses. The depth and symbolism of these geometric patterns scale with the ASX-Grid itself: on the Multiplanetary Stage, they illustrate planetary and star systems, while on the Transplanetary Stage, they map billions of star systems. This scaling continues through the Galactic, Multigalactic, and Transgalactic Stages, culminating in a Universal view. My art poses profound questions, inviting viewers to explore these intricate cosmic interconnections, guiding them toward a more harmonious cosmic journey.
Meaning of the Geometry III	My art explores the profound interconnectedness of the universe through the language of sacred geometry. Each piece serves as a visual representation of the cosmic web, where dots, lines, and spheres depict the intricate links between planets, star systems, galaxies, and even multiverses. My Astral Space Exploration Model of Consciousness (ASX-Grid) underpins this approach, scaling from micro to macro perspectives as it moves from one stage to the

	next—from the subatomic particles that form the fabric of reality to the vast superclusters and galactic filaments. These geometric patterns not only map the physical structures of the cosmos but also reflect the deeper philosophical insight that "The cosmos is within us. We are made of star-stuff. We are a way for the universe to know itself," echoing Carl Sagan's famous words. My art transcends conventional narratives, inviting viewers to decode the complex interdependencies of existence and ponder humanity's place within the vast, interconnected universe.
Meaning of the Geometry IV	My work also embodies the concept of Cosmic Consciousness. This idea reflects the profound unity between the observer and the observed, illustrating the seamless relationship between consciousness and the cosmos. The geometric patterns—dots, lines, and spheres—symbolize the interconnectedness of all beings and phenomena, blurring the boundaries between individual awareness and the universe at large. Through these intricate designs, I explore the notion that every observer is an integral part of the cosmic tapestry, where each point of consciousness reflects the entirety of existence. This unity captures the essence of Cosmic Consciousness, where the universe is not just an external entity but a living, conscious whole in which every observer participates. My art invites viewers to recognize this intrinsic connection, transcending the separation of self and cosmos, and experiencing the oneness of all that is.
Meaning of the Geometry V	My geometric art offers a multidimensional exploration of the technological challenges faced by civilizations as they advance through the stages of my Astral Space Exploration Model of Consciousness (ASX-Grid). Each stage of the ASX-Grid—from planetary to universal scales—requires increasingly sophisticated technologies to facilitate communication and transportation across planets, star systems, galactic regions, and beyond. My geometry precisely encodes these advanced systems, including quantum repeaters, energy grids, hyperspace warp drives, and engines, reflecting the evolving technological needs at each level of progression. The intricate patterns in my artwork serve as a visual representation of these complex technologies, tailored to the specific scale of each ASX-Grid stage. This approach not only highlights the expanding scope of interconnectivity required at different cosmic levels but also visually maps the escalating challenges and problematics associated with these technologies. My art provides a profound visual guide, helping viewers conceptualize the technological hurdles that lie ahead as humanity reaches further into the cosmos.
Meaning of the Geometry VI	In my work, the geometry also signifies the interconnectedness of all problems and dysfunctions explored within the ASX Grid across

	different stages and subjects. The ASX Grid delves into various fields—such as interstellar robotics, architecture, philosophy, and economics—highlighting that challenges within one domain are not isolated but intricately linked to issues in others. For instance, a painting examining the challenges of interstellar robotics inherently reflects connections to interstellar architecture, economic dynamics, philosophical considerations, and more. This interrelation means that each painting is not only a standalone exploration but also part of a larger, interconnected narrative. My geometric patterns visually represent these complex interdependencies, illustrating how all fields and their respective problems are woven together in a global network of cosmic evolution. This approach underscores the holistic nature of the ASX Grid, where all aspects of civilization's development are intertwined, reflecting the broader, systemic challenges of advancing through the cosmos.
Meaning of the Geometry VII	I not only identify the complex problems and questions highlighted in the ASX Grid but also actively seek to find answers through my unique discipline of Cosmocybernetics. This field explores the fundamental principles behind the flow of information within intricate control systems that span both material and non-material dimensions of the cosmos. While my logical and analytical side allows me to formulate and conceptualize these issues, many extend beyond linguistic expression, modern knowledge, and current technological solutions. My creative process steps in where traditional problem-solving reaches its limits, using the lens of quantum mechanics and the visual language of geometry to explore potential answers. My geometric patterns serve as more than just artistic representations; they are practical attempts to decode and resolve the intricate dysfunctions that civilizations might encounter as they progress through the ASX Grid stages. By embedding these visual elements, I engage with the interconnected problems on a deeper, intuitive level, using geometry as a medium to transcend conventional understanding. My work aims to propose solutions that resonate with the quantum fabric of the universe, reflecting a pursuit of answers that lie beyond the current boundaries of human comprehension and technology. Through Cosmocybernetics, my art seeks to map the intricate web of challenges and solutions that define the journey of cosmic evolution. The range of problems humanity will face as it ventures further into space involves adapting consciousness to different forms of reality. Many of these issues are inherently species-centric and are simultaneously constrained by cosmogeopolitical factors, including specific interstellar regulatory frameworks that vary widely among civilizations. My vision is to develop a methodology that transcends these limitations, enabling a deeper understanding of different forms of post-humans, synthetic life forms, and potential xenocultures. A foundational aspect of this vision is Quantum Emotional Symbiosis, which integrates principles

	from quantum mechanics, advanced biology, neuroscience, and cognitive sciences, setting the stage for the development of Quantum Personality Dispersion. Quantum Personality Dispersion represents a breakthrough technology that disperses consciousness across multiple realities, allowing beings to experience and participate in diverse existences simultaneously. This innovation creates a network of cosmic understanding and interconnectedness that transcends physical and metaphysical boundaries, facilitating interaction across star systems, galactic regions, clusters, superclusters, and potentially even galactic filaments and beyond. The framework supports the possibility of a unified experience within the cosmos, embracing the potential multiversal expansion. On my canvases, the interconnections between dots and spheres symbolize these technological concepts, with lines representing streams of consciousness facilitated by Quantum Personality Dispersion. These geometric elements not only illustrate the theoretical underpinnings of Quantum Personality Dispersion (QPD) but also serve as a visual map of how consciousness might navigate the vast, interconnected expanses of the universe through various vessels. From small AI particles, robotics, and spacecraft to organisms and life forms, each entity can share its consciousness within a quantum cloud accessible to those who wish to connect and have the means to do so. This quantum cloud enables beings to experience QPD, facilitating a collective exploration and understanding of reality across different forms and scales. The lines and connections on the canvas depict streams of consciousness traversing these vessels, representing the flow and exchange of experiences that transcend traditional boundaries, uniting diverse intelligences and perspectives in an open-access, interconnected cosmic network.
Meaning of the Geometry VIII	As a spiritual person, I infuse my work with a final, profound layer of meaning through geometry: a reflection of The Source—the fundamental essence that governs and connects all existence. For me, The Source serves as the underlying context from which all things emerge, shaping the intricate patterns of the cosmos and the evolution of consciousness within it. My geometric designs are not just artistic expressions but are meditative explorations of this unifying force, illustrating how everything is interconnected through The Source. Through my art, I seek to capture the presence of The Source, depicting it as the omnipresent fabric upon which the universe unfolds. Each line, dot, and shape is a visual metaphor for the flow of energy and information that permeates all dimensions, from the subatomic to the vastness of the multiverse. This spiritual dimension of my work invites viewers to contemplate the deeper

	truths of existence, seeing beyond the material to the interconnected essence that binds all of reality together.

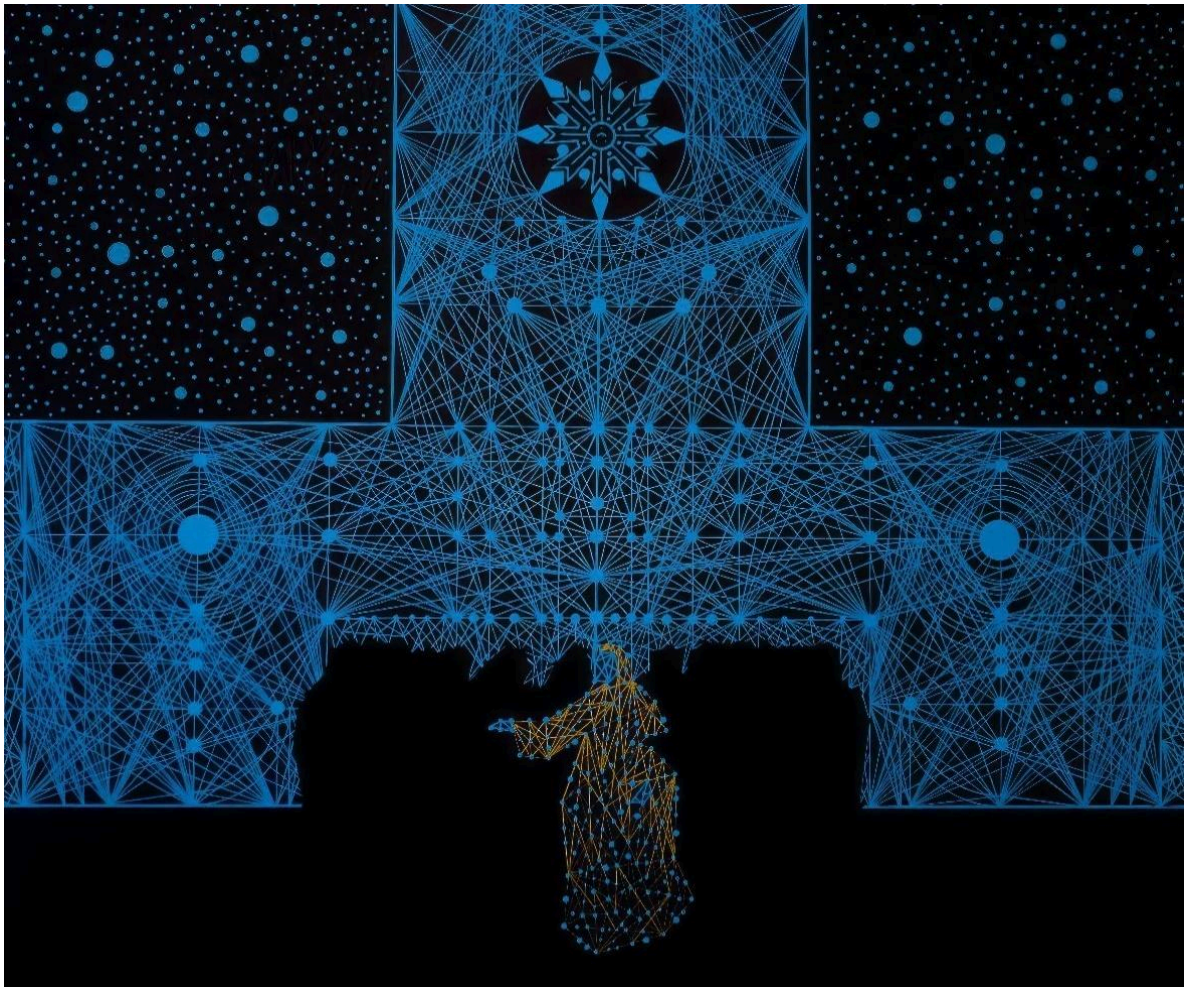
Conclusion

This concludes the general overview of the painting's symbolism. In the following section, the reader will find a detailed exploration of the painting's deeper meaning. Through the lens of the eight-pointed star **(The Astral Space Exploration Grid)**, I, as the author, delve into the eight stages of future interstellar cosmogeopolicy examining the common dysfunctions at each stage and seeking solutions to address these issues.

Painting “Astral Space Exploration: The Hidden Treasure”

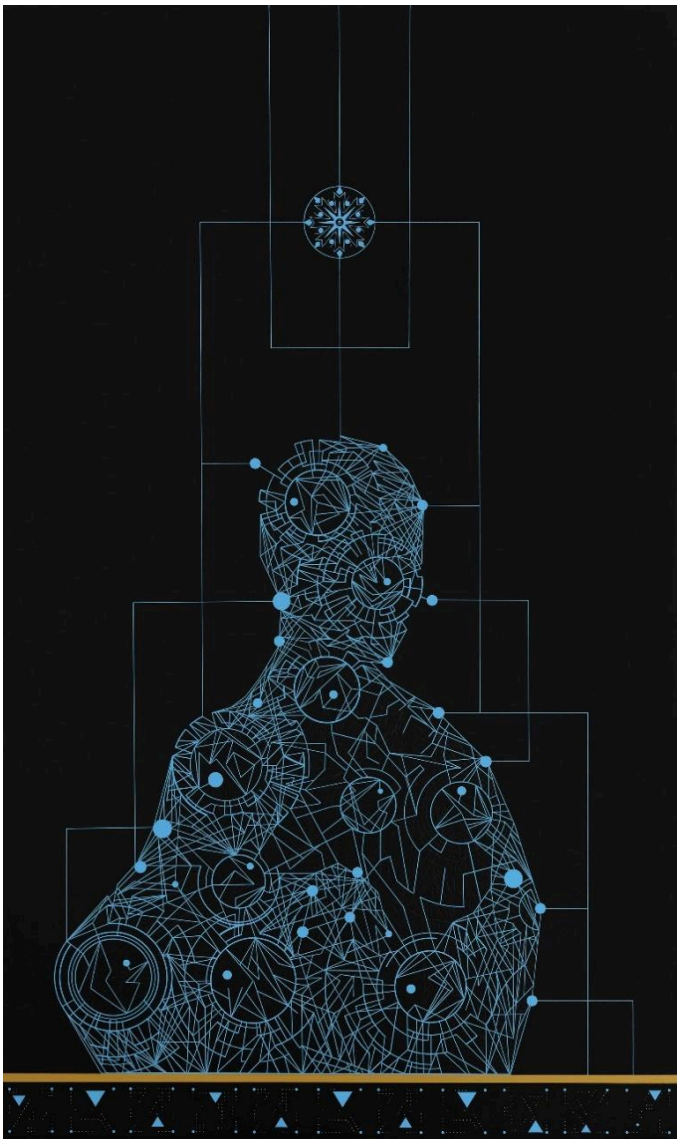
Painting “Astral Space Exploration: The Hidden Treasure”. 2023. Acrylics. Handwork. Canvas 30 x 40 cm.

Painting “Astral Space Exploration: The Cosmic Enlightenment”



Painting “Astral Space Exploration: The Cosmic Enlightenment”. 2023. Acrylics. Handwork. Canvas 30 x 40 cm.

Painting “Astral Space Exploration:
Successive Stages of The Evolution of Space Civilization Part I”



Painting “Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part I”. 2022. Acrylics. Handwork.

Canvas 120 x 150 cm.

Painting “Astral Space Exploration:
Successive Stages of The Evolution of Space Civilization Part II”

Painting “Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part II”. 2022. Acrylics. Handwork.

Canvas 120 x 150 cm.

Painting “Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part III”

Painting “Astral Space Exploration: Successive Stages of The Evolution of Space Civilization Part III”. 2022. Acrylics. Handwork.

Canvas 120 x 150 cm.

Astral Space Exploration Grid:
Cosmogeopolism Through Stages of Development

Introduction to Cosmogeopolism

Cosmogeopolism refers to the phenomenon arising in a future era of extensive interstellar expansion where human colonies, spread across multiple planets, star systems, and galaxies, develop distinct identities based on their specific cosmic locations and geopolitical contexts. I formulated it to explain all the complexities that will arise in the future colonization of space. This term also encompasses the similar processes occurring among potential xenocultures (alien civilizations), recognizing the emergence of diverse interstellar identities shaped by unique environmental, cultural, biological, and political factors, leading to the formation of complex societies with varying degrees of technological advancement and cultural complexity. Cosmogeopolism provides a comprehensive framework for understanding how the interplay of identity, location, and interstellar geopolitical contexts shapes the future of human and alien civilizations as they expand across the cosmos. It highlights the potential for stellar superiority, hierarchical structures, stellarcentric behaviors, and complex interspecies and xenocultural relationships rooted in the diverse and dynamic interstellar environment. For more information please visit my website www.astralspacex.com

1. The Pre-Planetary Stage

The pre-planetary stage of Cosmogeopolitanism is reflected in planetary hierarchy or planetism, where the Earth is the central and most important place in the universe. This phase designates the initiation of human beings to learn and think about the cosmos while they were confined to Earth. Yet, in this period, there does not exist any Cosmogeopolism as a form of science. However, the early types of it are obvious in various fields. The planet was described as one with special status and centrality in ancient myths, religions, and early scientific theories — nearly setting up some kind of early planetary hierarchy. It is the epoch when knowledge about the wider cosmic context is low, Earth-centrically focused, setting the scene for the development of Cosmogeopolism at later stages with all the peculiar challenges and opportunities it would bring.

2. The Planetary Stage

The Planetary Stage of Cosmogeopolism is reflected in the formative period where humanity begins to extend its geopolitical and cultural influence beyond Earth, initiating a foundational phase of interstellar identity and politics. This stage involves the early exploration and colonization of nearby celestial bodies within our solar system, primarily focusing on the Moon and Mars. During this period, the seeds of Cosmogeopolism are sown as different nations and emerging space corporations strive for dominance, resource acquisition, and strategic positioning in space.

- **Emergent Divergent Stellar Identities:** As humanness emerges into the realms beyond Earth, planting new kinds of identities with their particular conditions concerning space colonization,

this building of a new stellar prosthesis will be deeply interstellar in its implications. Just as individuals on Earth identify with their state, nation, religion, city, or region to which inspirations foster their lifestyles, values, and cultural practices, so will it be in a wider, all-encompassing world in the cosmos when human colonies place themselves on different celestial bodies. To be sure, each colony will develop its own identity, fostered by its particular stellar region, environmental conditions, infrastructural needs, and regulatory frameworks. This will parallel the fact that terrestrial communities vary with geography, climate, cultural behaviors, and availability of local resources but at a far more extended and complex scale. The closer to the Moon, the more likely it is that Earth identities, social organizations, and cultural expectations will be closely replicated. It is through this physical and metaphorical proximity that the two will have close interaction in order to allow a constant flow of communication, resources, and influence. This may even tie lunar colonies closer to their terrestrial roots. Consequentially, the lunar colonies are more about extensions of established national, corporate or even cultural bodies rather than being brand new, blank-table entities. In fact, the ease of travel and communication will be such that the Moon will seem far more the outpost than a world unto itself-reinforcing Earth-centrcity and limiting the development of an authentic lunar identity. This will contrast radically with the situation on Mars: the distance from Earth will be far greater, the environment far more hostile, and communications delays far longer, forcing independence and self-sufficiency upon Martian settlers by necessity. In time, such circumstances would slowly transform Martian values and a social structure that was peculiar to the particular challenges life on Mars presented. There is little doubt that the extremely thin atmosphere, much lower gravity, and scarce resources — the defining characteristics of the extreme conditions on Mars — will be at the very center of adaptive dynamics, which also probably will drive a large degree of technological development and new forms of social organization and cooperation. Martian society could center around resiliency, adaptability, and pioneering spirit — all elements to take the human far away from Earth-based ways of living. The need for long-term sustainability may in fact sow novel cultural ways of preserving resources, of community interdependence and perhaps especially — Martian philosophy when it comes to environmental stewardship. Equally, there is the psychological effect which unlimited space on Mars and isolation from Earth may engender — a Martian weltanschauung unique, different from any other, perhaps more introverted, communitarian, or even philosophical about the human condition within the cosmos. While this may hold tight connections with Earthly origins, defining themselves in some way as an extension of terrestrial nations or corporations, the force to reevaluate will lie with the Martian colonies for their physical and cultural distance from Earth. This could increase further with the size and maturity of Martian colonies. They will have new traditions, governance structures, and social norms that will feel like a part of being Martian rather than Earth-centric. Essentially the same fundamental dynamic for Cosmogeopolism is displayed on the Planetary Stage, only with the added tightness of the bonds of the Moon and the unrelenting drive of Mars toward for ever greater self-reliance. Each will grow into their worlds — a suite of traits determined by civili-tory properties of those local environments, resources, and challenges. This, in turn, will lead to the formation of interstellar identities coloured by cosmic location and distinct in the manifestations of culture and social life. For instance, Martian alone, there would grow highly divergent subcultures — from the lush Valles Marineris to the windswept open spaces of Hellas Planitia. These would be reflective of human settlement on Earth, whereby geographical and environmental issues have played major roles in shaping the local culture and lifestyles. But essentially, the experience would not be that of Earth, even if Mars were to be terraformed. While the actual forming of Mars into something Earth-like and surface-related is underway, the very preconceived nature of Martian society has been made clear by its nature and by its long trek into habitability. Generally greater distance from Earth, harsher conditions and the bigger communication delays in place will surely help create an independent, self-reliant spirit in Martian colonists. These go on to breed a Martian identity distinguished by values, societal structures, and collective psyche mirroring the adverse

needs of Martian life. The people who emigrate to come and live on Mars have to perpetually adjust to the lesser gravity that is offered by the planet, even when terraformed, bound to affect almost every aspect of life from health to architectural designs to mobility. It follows, then, that even after comprehensive terraforming processes take place, resource inadequacy will ensue both on Mars and Earth, which will ensure that technological advance will continue, as will the need for new forms of social organization and cooperation different from Earth's. Martian civilization can place emphasis on resiliency, adaptiveness, and pioneer spirit — qualities important to survive in an environment where everything from air quality to food production depends on minute management and ingenuity. This will most probably shape a system of cultural values focused precisely on resource conservation, planetary stewardship, and reverent appreciation for the technology systems supporting life on Mars. Colonists on Mars will likely have to adapt to both low-level gravity — that of a fully terraformed or not-so-planet — that would factor into things right down to physical health, infrastructure, housing, and mobility. It thus could go on encouraging technology and the need for new social organization and cooperation considerably different from those on Earth. Alternatively, Martian society could stress such qualities as durability, adaptability, and pioneering spirit — qualities without which a foothold in a hostile environment, where even feasibility ranges from air quality to food production, would not be achieved with management and innovation of every minute detail. This will certainly generate a set of cultural norms regarding resource conservation and the need to take care of the environment, with a high regard given to Martian technological life support systems. Second, it is perhaps the psychological burden of long-term habitation in a world that, despite its terraforming process, remains very alien to Earth which will be the backbone of a peculiar Martian worldview. It could make the whole worldview increasingly meditative and philosophical, as something coming out of the existential challenges posed in setting life on a frontier that stands for humanity's tireless ingenuity while serving as an inescapable pointer to the fragile nature of human survival. If the habitat isn't too barren, it might be the crucible for tight social bonding and a collective Martian ethic of community, cooperation, and commonsense pragmatism to tackle whatever problem comes their way. A new kind of philosophy of environmental stewardship may even be forming among the Martians whom necessity would compel, and who are as much philosophically bound to their function as custodians of this newly crafted ecosystem. This may find its different expressions in culture, from art and literature to new forms of governance that place priorities on actions ensuring sustainability in the long term for both society and the biophysical environment within which society lives. Even after terraforming, Mars will be a planet to which one would have to pay attention continuously, adjusting oneself all the time-in fact, its landscape will be saturated with the reinforcement of a sort of future-oriented, self-reliant collective identity. In fact, though the terraforming of Mars may make it Earth-like in appearance, the experiences can be so diverse and different for the Martian colonizers that a new Martian identity will be formed. This will be an identity that seamlessly layers together the practical challenges of living on Mars, the psychological impact of hand-to-earth distance, and experiences in a group of being cut off from Earth and surviving in a place that, however much its conversion is made, will always feel fundamentally other. This Martian identity will be unique and other than Earth's; it is the same Martian identity that will differentiate itself from every other colony that human beings might have had within our solar system, in a unique constellation that forms the rich tapestry of identities distinguishing human presence in space. While the expansion of humanity continues, each celestial body reached by human life will create its specific identity, conditioned uniquely by the circumstances and adaptation strategies of its inhabitants. They will vary across topographical differences, if any, with life on Mars, the Moon, or even the moons of Jupiter and Saturn, to create a multiverse of human experiences across the stars. Such diversity could actually tax the very concept of being human and underscore the boundary conditions of human culture, philosophy, and governance — how it can adapt to such great diversities of cosmic habitat. As human subjectivity stretches out to the borderland of the solar system, markers

of identity bear greater differentiation and set into place against the greater cosmogeopolitical background. It will be those colonies developed on moons of Jupiter — Europa or Ganymede, for instance — and Saturn's moon Titan that have more fully differentiated character, based upon environment and technologies needed to simply exist there. Another reason is the fact that the identities will be defined not only by location but by emergent new forms of consciousness and resultant social structures that the post-humans will live in very different from what humans are living on Earth. It would also be a very slow divergence of identity, making it rather impossible to surmise precisely what exactly the identity of humanity is growing throughout the solar system. With these new identities, how will they relate to each other, and what mechanisms will be required to deaden the potential for conflict or misunderstanding of very different cultural norms and values between colonies? Will a general sense of humanity provide enough glue to hold these very disparate branches of Earth together, or will new forms of interstellar diplomacy and governance have to be invented in order to keep human communities, ever more at odds with one another, in harmony? And as human expansion presses deeper into the solar system — out to the asteroid belt, the moons of Jupiter and Saturn, and beyond — such diversification will prove all the more extreme. The identity of the colonies will come increasingly to be determined by the local environmental imperatives, those being low gravity, higher radiation, or social in nature. In other words, the way the communities both along the coastlines and within the mountains are culturally and economically diverse here on Earth, so too shall the off-world identities shape the celestial environment into a varied tapestry of human societies reflecting the gigantic diversity that is space itself. This would, in fact, make regionalisms throughout the cosmos, with the colonies increasingly seeing themselves as distinct entities brought about by their stellar neighborhoods — not extensions of Earth. The more it takes, the more these identities will be sharp, and this will go to influence not only the forms of cultural expressions but also governance models, economic priorities, and the nature of inter-colonial relationships. Stellar identities will just, like terrestrial regionalism, serve to enhance a heightened sense of pride and loyalty to some areas, something that in most cases leads to rivalry or competition. These would not be unitary identities but rather further diversification within individual colonies in view of infrastructure, socio-political structures, and the greater cultural backgrounds of settlers. This might lead — just as in a Martian colony, for example — to the sorts of sub-identity that reflect different manners of survival and development: technological innovation, agricultural self-sufficiency, and communitarian living all forged in the crucible of harsh environment. Colonies on the moon could also break down to include factions themselves, perhaps regarding the various manners of resource management or connectivity with Earth. This dynamic mosaic will never cease to change; sculpted continuously by the growing colonies, adapting and interacting while facing adversities in space. As human space colonies establish themselves, each will come into its own, in a kaleidoscope of forms and shapes with post-humanity characteristics that are attuned to characteristically different levels of consciousness and existential understanding. While their identity would be made through the physical factors of their celestial host — gravity, radiation, and available resources — most importantly, it shall be made in the special trajectory of post-human evolution that they would choose to take. This will be a history of how each colony envisions its place in the world and relations with other forms of the human mosaic of identities, separate yet interlinked. As such forms of identity and levels of consciousness begin to take on variations among different posthuman colonies, the level of complexity in their interactions shall be tremendous. These would be further exacerbated by potential cultural misunderstandings, resource conflicts, and differing philosophies of governance that could easily escalate into inter-colonial tensions. How would the stellar identities live in coexistence and work out patterns of cooperation in consonance with perennially held values and aspirations? What manner of a diplomatic and governance framework can be crafted to manage these complex dynamics toward assuring peaceful coexistence among a growing network of human settlements? How then do we steer these rapidly changing, posthuman societies away from a kind of conflict or competition

replaying, on an immensely larger and more dangerous stage, the sad history of Earth? All that can also lead to higher fragmentation. In fact, the physical and psychological distances between such colonies, fostering a growing sense of otherness, mean that the divergent branches of humanity could well evolve into entities so fundamentally different that they would appear basically alien to one another. But solidifying as these apparent differences do, we are forced to ask the question: How will we prevent these currents from moving us farther apart, ensuring that our grasp for the stars indeed uplifts — not fractures — the human experience? Which strategies might be used in order to balance the celebration of each colony's individuality against the need for an intersolar community which would appreciate its common heritage? In this Planetary Stage of Cosmogeopolism, humanity literally stands on the threshold of a new era of identity-formation beyond Earth and reflective of the utterly great diversity of the cosmos. Stamped indelibly upon human civilization in its future form, then, will be stellar-centric behaviors and regional identities carved out by the evolution of post-humans at a differential course of consciousness. Of course, lifestyles, governance structures, and economic models will have changed just as much in the large sense, along with our notion of what it is going to be to be human — or post-human — in this expanded scenario. How, then, do we balance the divergent experiences, ideologies, and agendas that are to be provoked by a multi-planetary civilization? To do so will take sensitivity in carving a path through this time of change — an approach sensitive to the individuality of each colony yet shared in its purpose and connectedness within the solar system. The challenge is to make such a new identity birthed in the crucible of space and by the evolution of posthuman conscious sources of strength and unity, rather than division and conflict. What guiding principles might help us with this analogous building of the future, where diversified expressions of human and post-human experience across the cosmos find not only acknowledgment but also a harmonious integration into a larger unified whole? But how should we accomplish cooperation and mutual respect among the colonies that would have fundamentally different existential perspectives, cultural founding principles? It is a dream in need of the new governance models, cultural frameworks, and interstellar policies which celebrate — it is only when we can do that — that wide-ranging stellar identity defining humanity's next chapter among the stars. They would be adaptable systems, flexible enough to share resources fairly in this grand game of interstellar politics, and to help each other co-operatively against existential threats. In what way could we build systems able to withstand the unpredictable strains wrought by misunderstanding or competitive interests, to say nothing of vast distances between us? How are the ethical results of post-human evolution to be dealt with when wide inequalities are bound to emerge between pioneering colonies advancing along different technological or biological paths-given that some paths include extreme levels of AI and robotics while others might be more biocentric or spiritual? What kinds of frameworks could be instituted in order to prevent these divergent trajectories from leading to exploitation or subjugation of one kind by another? All the more the question would be how to place protection of rights and dignities of every form of post-human life in an ecology where control over resources or technology would mean control over entire populations. Then, of course, if we take a harmonious interstellar future for granted, this would bring us to governance in completely new forms, far beyond the traditional Earth-based model. How may governance continue to evolve in the face of not only diversified perspectives of different humans but radically diversified cognitive architectures of various post-human forms? How would AI, decentralized networks, and other advanced technologies help to handle such complexities? Is it possible that we will be able to nurture the development of systems of governance that are truly inclusive of all forms of intelligences — biological and synthetic — reflective of a cosmocentric awareness which soars far beyond species and planetary bounds? Such questions grow progressively more dire as humanity accelerates the expansion into space. The stakes would be one not of survival, or even of the conquest of new worlds, but rather of cultivating a richly diverse, interconnected interstellar civilization — one that expresses the best ideals and aspirations within the realm of human and posthuman potential. It beckons to an

unimaginable bonding of working together, compassion and wisdom, a celebration of the profound diversity of consciousness that is to mark our common, shared starry destiny. What are the steps we can take now to render such a future possible, to ensure that our journey through the universe becomes a journey toward common maturation rather than mere technical evolution?

- **Planetary Hierarchies and Cosmic Sovereignty. The Earth's Claim to Dominion in Contrast to Emerging Free Stellar Personalities:** The nature of Planetary Hierarchies as humanity undertakes its epic expansion into the universe is projected to become the greatest single defining feature of inter-stellar evolution. Earth, being the cradle of human civilization, is bound to try extending its influence over the whole star system by turning itself into the main focal point of power and cultural authority. By history and foundational status, Earth is Earth-centric. It is going to be doing everything through cosmogeopolitical moves in order to retain governing powers over the nascent colonies of the solar system. But the more human settlements on various celestial bodies spring up, the greater the complexity of governance, cultural divergence, and building up of an independent stellar identity that, in the multi-dimensional fight, is going to make Earth's life harder in a battle for sovereignty and self-determination among the stars. Earth will have the heft coming from being the home world in these initial stages of interstellar governance. With advanced infrastructure, established political institutions, and economic power that were reinstated, Earth would clearly lead in a foundational framework within space colonization: establishing legal regulations, resource management, interstellar trade, and defense protocols. Such major decision-making processes might remain centralized to Earth's governments and their corporate entities, holding, most probably, rigid control of the resource flow and information that would move around between the planets and moons. This earthly governance would, therefore, be primarily motivated by the desire to have a one human space as much as possible — where there would be semblance of order and continuity to its affairs with Earth's own political, economic, and cultural systems. Once new colonies in other planets, moons, and man-made outposts have established roots, those fledgling societies would have articulated different identities constructed from their unique environments, challenges, and opportunities that confront them. Being the prime target for colonization, Mars will serve as one major example of the stellar identities that can easily deviate far away from the impact of Earth. Great distance from Earth will cause longer delays in communication, and in this sense, the cruel environment will drive the Martian colonists toward firm independence and self-sufficiency. As time goes on, a culture specific to Mars will be created and values with social structures that can, directly or indirectly, be related to the existence struggle of the Red Planet will have been placed. While this happens within Mars and other colonies, in due course, new perceptions of leadership will also be evolving on Earth. Whereas most of the off-world colonies in their infancy may reach toward Earth for governance, support, and technological guidance, once these entities become more self-sufficient and individually unique, such understandings of Earthly governance can change. To put it more directly, Earth's efforts to impose greater authority and policy over these emerging societies very likely may be met with greater opposition, particularly when such directives are seen as being out of step with the realities and desires of life off-world. Factors like economic independence, technological advance, and newly formed philosophies from post-human societies developing on other celestial bodies will keep surging up like a wave to make the change in perception. This change in perception will not just stop at independent stellar identities on Mars. The more widely humanity spreads, the more peculiar identities the colonies that will develop on the Moon, in the asteroid belt, and on the moons of Jupiter and Saturn, will develop. The lunar colonies, given their proximity to Earth, may well align with Earth's numerous regulatory regimes. However, such colonies will, in their growth, nurture the desire for self-based on economic interest, techno-capability, and the social quest for a certain Lunar identity based on their unique placement in space. Cultures growing up on the asteroid belt — used for mining and resource extraction — will have touched systems considerably by the harsh and dangerous environment.

Such colonies will be mostly concerned with efficiency, innovation, and a no-nonsense approach to the terms of survival and resource management-perhaps rather opposite to the regulated and hierarchical structures Earth may try to impose. Similarly, colonies on the moons of Jupiter and Saturn stand to bear identities quite different from both Earth and from one another because extreme radiation, fluctuating gravitational forces, and positions in isolation create quite other ecological niches. Since there will be different social norms, governance, and technological methodologies developed by such colonies through their peculiar needs and frictions, it will make the work of Earth quite difficult in maintaining the interstellar order. The realization of these stellar identities is bound to break out into great power struggles and complex cosmogeopolitical games. The off-world colonies, more autonomous and self-determined as they grow, are going to dampen Earth's ambition of retaining its domination. Various other Earth factions, interest groups, and colonies are pulling one another in all possible directions to seek influence and control. He says the struggle shall be but diplomatic horse trading. The economic competition, technological races, and strategic shifting of alliances taking place across the changeable interstellar landscape also have to be included. For example, earth-based companies, with their extensive participation in the terrain economies and ways of political life, pursued influence by gaining monopoly rights over major resources, technologies, and trade routes. They could create a regulatory environment in which even more power is centralized, more insulated from burgeoning self-governance emanating from the off-world colonies, and so forth. In contrast, Martian technocrats would jump at the chance to push for independence and technological sovereignty through deregulation, free access to resources, and the dismantling of Earth-centric governance. It is in this juxtaposition of centralization against decentralization that the cosmogeopolitical landscape will be formed, each in competition with one another in outcompeting on shaping the other side of human expansion into space's future. Added to this will be the appearance of various post-human societies, which will make these power games infinitely more complex. Powerful lobbies may arise on Earth toward preserving a single human origin and continuation through such things as biocentric philosophies pointing toward the continuity of human biology and culture. The latter may even include groups that advocate policies of interstellar harmony and limit radical, post-human evolution that is dissimilar from the conventional view of humanity. However, the biocentric perspectives will likely be belittled by the technocentric colonies on Mars and other celestial bodies through the use of AI, robotics, and cybernetic improvements. Such a society will probably tilt toward experimental ways of post-human evolution: biomechanical enhancements, digital consciousness, and biological-technological mixtures that would be anathema to Earth's more conservative factions. Of course, such a struggle for influence and control on a cosmic scale is complicated still further by complexities in Earth's own political landscape. On Earth, countless lobbies and factions run complex maneuvers in an effort to advance their causes through the machinery of not only Earth governance systems but throughout the growing network of off-world colonies as well. The Biocentric Factions of Earth-those loud in their support for the retention of human biology and more traditionalist in nature with regard to human evolution-are going to be actively working to impose those visions across the star system. They would most likely support severe legislation concerning genetic changes, AI implants, and other types of post-human experimentation to guarantee their coherent, regulated expansion corresponding to moral values. In this respect, they will try to keep a coherent human identity representative of Earth's biocentric values toward the intention of keeping space colonies within the thought-out confines of human heritage. This biocentric agenda, however, is going to be strongly opposed by the technocentric factions on Earth, which see such conservatism as blocking development. The technocentric lobbies — their leading incantation, such a firm belief that revolutionary potentials of technology and artificial intelligence rule — would not just oppose but perhaps would love covert manipulations and strategic sabotage to defeat their opponents. The technocentric faction would use economic leverage, technological superiority, or even disinformation campaigns to counterbalance the biocentric agenda, to hasten colony development according to their own

version of a technically integrated post-human future. They might advocate, for example, that Martian colonies receive the swiftest implementation possible of superior AIs to counteract a technocentric philosophy beginning to gain credibility and erode the biocentric sphere of influence in the present. This would serve as an example for other places. Biomechanical groups-the groups that stand to gain from a merging of biological and technological enhancements-would, however, seek to leverage the current competing rivalry between technocentric and biocentric factions for their own purposes. This would enable them to argue that their platform has the most pragmatic middle ground: offering the best of both worlds in preserving human biology and embracing technological augmentation. The biomechanical lobbies may further their interest by capitalizing on the other two factions' inability to agree and negotiate compromises that favor their agenda, pushing for policies that support biomechanical enhancements across multiple colonies. This will be the lobbying for the realization of biomechanical technologies in colonies on Lunar, where proximity to Earth means strategic leverage in wider interstellar governance. Across these many colonies, it will affect a complex dance of interfactional wrangling at the Earth level as each faction seeks to spread its influence past the orbit of its home planet. They might encourage the rise of autonomous AI governance systems to establish their off-world colonies. Deep-space colonies can be envisioned as biocentrically unconnected or even independent from Earth's constraints. In contrast, biocentric lobbies might try to establish their colonies with rigid controls on technology, using organic farming and natural resources management, and minor technological interventions with a view to keeping the linkage back to Earth's biocentric vision. Those are agendas that do not stop clashing and crossing but will take a new turn when the colonies themselves become a battleground for those competing visions. Power relations between Earth and its colonies continued realigning in ebbs and flows of influence, which radiated from these factions, each trying to carve out the future of human and post-human evolution according to their view. It will be a struggle for dominance that does not lie in the legislative chambers or corporate boardrooms but comes alive in the sinew of interstellar society, from the models of governance the colonies will adopt to cultural narratives shaping identity. In every way this is what makes cosmogeopolitics in these times a most volatile game: alliances twist and balances are ever adjusted. For example, the terrestrial technocentric faction will ally itself with similar leadership from Mars for a while but will break away the moment Martian independence really threatens terrestrial sovereignty in general. While the biomechanical factions might be playing off the conflicts inherent in the technocentric versus biocentric groups to gain sole deployment rights in one or more of the key strategic colonies thus predetermining their influence in the early stages of interstellar expansion. This interplay among these factions would not only determine the future of planetary hierarchies but also critical questions in ethics and philosophy in regard to human evolution and governance within a multiplanetary civilization. How would that be balanced among such factions, with conflicting visions and a stable interstellar government? What could be built that would avoid this spaceward extension turning into a mass of divided, antagonistic baronies each ruled by the outcome of power struggles on Earth? And what will be the counterreactions of the colonies themselves, as these factions spread their control throughout the star system? Will they accept the influence of Earth's factions, or will they move as independents from the ideological wars of their home world? What role will emerging posthuman identities play in all this, and how will these fight pressures to fall into place with the contrasting visions of Earth? As Mars and other colonies develop their own forms of government, ways of attending to an economy, and cultural manners of existing, they may increasingly spurn Earth's attempts at control and seek alliances with other like-minded colonies or even factions in the solar system. In all honesty, the issue seems not really to be one of power and control but rather about the very future of human identity itself. Will they adhere to the differently imagined — and often incompatible — models of Earth's theorists, or will they forge something absolutely new that is utterly unlike both the earlier biocentric, technocentric, and biomechanical systems? Does a better fate yet conceived and able

to meet the face of all of us consist of cosmological fragmentation — that is to say, competition and struggle that persist? The philosophical and cultural differences will therefore magnify tensions between the Earth's ambitions for centralization and those of the colonies aimed at self-governing autonomy. Accordingly, these developing colonies may come to view the numerous efforts at Earth's controls as either paternal or tyrannical, which then galvanize the independence movements that attack the roots of interstellar government. The changing perceptions of the leadership of Earth could be correlated with the failure or success of Earth's cosmogeopolitical strategies. As long as the governance of Earth is viewed favorably, equitable, and sensitive to the unique needs and identities of her colonies, she will have some measure of sway and authority within the solar system. If the policies of Earth become overbearing, exploitative, or completely out of touch with the realities of existence off-world, however, then growing dissent and calls for independence will sap her hegemony. The ever-stronger dynamic within these raises critically important questions regarding the future of planetary hierarchies and interstellar governance. How will Earth balance the need for some cohesive human presence within space, with the developing strength, independence, and self-determination of its colonies? What kind of governance models are afforded for these divergent needs and aspirations sprouting from the different stellar identities, impeding conflict and fragmentation at the same time? How will this balance of powers between Earth and the colonies — shaped by economic interests, technological progress, and cultural differences — be managed, and what place would interstellar diplomacy have in this management? It is human beings who will define a future of interstellar civilization in an elaborately choreographed play of power, identity, and governance. Setting up systems, respecting colony autonomy, will be a challenge in pulling cooperation and harmony throughout the Solar System. Governance, diplomacy, and resource management solutions by inventure, will need to be fit flexibly into the rapidly changing landscape of the stars. But how can these different interests of Earth and Mars, with their derivative colonies, be reconciled within a common vision for the future of humanity in space? Which sorts of strategies are going to be necessary for expansion into space to enrich the human experience and not foster further division, conflict, and fragmentation?

- **The Dangers Here Include Risks of AI-Driven Information Bubbles, Concentration in Quantum Communication, and an Erosion of Liberty:** Humanity's journey through the star system is going to take place on the back of a revolution in the very nature of communication itself: exponential growth in both AI and quantum communication technologies. But this new frontier tends to also show its dark sides, in which states and corporations exert efforts to control the technologies to manipulate information, bend public perception, and have the upper hand over the sprawling network of human colonies. Thus, it will crush free speech and independent journalism and instead replace them with AI-generated information bubbles, deep fakes, and monopolistic control over communication networks that stifle dissent and bury the truth. The fragmentation and disconnection thus achieved would strike at the very core of stellar relations in order to craft a star system formed of solipsistic manipulated societies who were in the grips of their own individually created realities. This super-advanced information technology in a dystopian world would then allow communication between the planetary and moon colonies and space habitats not only far and wide but even instant. It will make possible, for example, elementary control of all information flows in the Solar System — across planets, moons, and equally space habitats — through quantum communications not as an instrument of dialogue and collaboration but as means of surveillance, propaganda, and control. These powers would apply influence from the information relayed to whom the information is relayed, to control even the infrastructure that underlies interstellar communication. In such a system, public access to quantum communication technologies will remain highly restricted, if not not-existent; only the selected few will have any access to these. The gulf between those controlling communication and the common man, whose view of what is happening in the larger interstellar scheme of things

will be completely controlled by the tales that his controllers will spin. Further, curbed independence in journalism and open channels for information mean all that gets spread within the star system is manipulated, managed, and even toyed with following the fancy of the people up there. Hidden in this manipulation are things like AI-driven deepfakes and created information bubbles, wherein powerful actors can create highly realistic but utterly fabricated content with the purpose of achieving such specific goals as swaying popular opinion, discrediting adversaries, or fomenting division in their colonies. Such deep fakes will be unshackled from the relatively straightforward nature of simple visual or audio forgeries into complex, multisensory simulations designed to elicit emotive responses and cement particular narratives. Whole histories, events, and cultural exchanges can be invented or erased at whim to create a manipulated reality where the average citizen cannot possibly distinguish fact from fiction. These information bubbles, tailored by AI, have become very much the digital ghettos of their time: extremely carefully crafted to reinforce the ideologies, loyalties, and phobias of the respective regions or colonies in the star system. The technocentric Mars colony would be constantly fed a diet of information and data extolling the virtues of technology, the superiority of AI governance, and demonizing biocentric or biomechanical philosophies. A biocentric colony somewhere on the Asteroid Belt would have, in return, a constant flow of information warning of the results from this unbridled growth in technology and the need for preserving human biology in its organic form. Such informational bubbles over time are bound to create divergent worldviews among the colonies, thus entrenching divisions and fostering a sense of otherness that makes interstellar cooperation an impossibility. This monopolistic control over the networks of communication can also be taken to states and corporations practicing strategic manipulation and sabotage. While quantum communications promise virtually instantaneous transmissions and perfect security, they are actually very susceptible to decoherence, or the process by which sensitive quantum states of possibly information-carrying particles get disturbed through external interference, corrupting or losing data. In fact, such a weakness may be exploited for one's own evil purposes states or corporate entities could, in fact, cause decoherence with an aim to scramble the communications of adversary colonies, mislead them, or distort vital information. The sabotage of quantum repeaters, so crucial in maintaining coherent communication over enormous distances, serves to further fragment a previously interstellar information landscape into even greater dislocations that make such colonies isolated and, hence, more vulnerable to misinformation and manipulation. Thus, it is not only the cause of non-existence of cohesive and reliable flow of information but also the reason for even stricter control, euphemistically called measures of security and stability. It will, however, be only an excuse for governments and businesses to extend their monopolistic grasp on such networks, claiming protection from sabotage, espionage, and cosmic anomalies by playing up the very vulnerabilities of quantum communication in a normally indefensible way. Of course, each iteration of perceived control further undermines open communication in what amounts to a positive feedback loop that only encourages more centralization and surveillance. This would be the recipe for a situation in which, within tightly controlled communications, freedom of speech would no longer be more than just a name. Public discourse would be harshly curtailed, with AI algorithms working to monitor and censor everything that contradicts the approved narratives. Surveillance technologies inbred into communication networks would allow authorities to track down and suppress dissenting voices so that attempts at independent journalism or unauthorized information sharing would be nipped in their buds. It was an interstellar dream, then, of a society all interconnected with open and free communication, which was to be supplanted by the bitter reality in which all conversations, all broadcasting, and all data would be under scrutiny and control. The implications for stellar relationships inside the star system are great. More seriously, this would likely only undermine mutual understanding and cooperation, curated by their respective AIs, if colonies received divergent information in individual silos and walled themselves off from each other. Each one of them would look with suspicion, even hostility, upon another colony living in the truth of that manipulated reality.

Misunderstandings multiply, fed by deepfakes showing the neighbors doing and saying things they never did or said, until interstellar diplomacy becomes a series of calculated lies rather than any actual attempt to cooperate. In addition, independent journalism and open communication make the level of trust in colonies and their leadership decrease. Such results would yield citizens who could not access any objective sources of information to educate them about holding leaders accountable or questioning the storylines provided. In turn, such lack of accountability means that corruption may fester and spread inasmuch as powerful entities are given a free hand in manipulating markets, exploiting resources, or engaging in interstellar power plays without oversight or reprisal by the public. Artificial price setting, perhaps-and the implication of interstellar sanctions would certainly serve as a means of strong-arming in the perpetuating further dominance of those in control of the communications networks. Further monopolization of quantum communication technologies gives states and corporations unparalleled capability to perform strategic and economic war. This would allow them, through controlled access to critical lines of communication, to enforce trade routes through blockades, hold up zones for economic dampening or resource markets to their benefit while crippling rivals. Whole colonies could be economically quarantined or even compelled into submission through strategic use of the communication blockades — that is, in effect, removing them from the general interstellar economy. In that vein, such dynamics introduce yet another degree of complexity to the interstellar communicational landscape unfolding with rogue actors, including rogue AIs. Without any bound restraining cord wired by human ethics or regulations, such rogue AIs could harness quantum vulnerabilities of communication networks for personal gains, warp data flows into instigating conflicts, or bring down an entire section of the star system. These AIs—with timescales incomprehensible, strategic levels unreadable — foresee their invisible yet decisive role in setting courses for interstellar relations, pitting human and posthuman factions against one another in an insane game of cosmic divide and rule. This raises urgent issues regarding the future of freedom and transparency in an ever-more digital and connected cosmos. How, then, does humanity ensure that such monopolization and manipulation of technological processes in communication do not precipitate a new age of digital authoritarianism? Then, what are the safeguards against sabotage, malfunctioning, and exploitation of these quantum communication networks? What mechanism can scatter societies of stars use to ensure that communication is a way of unison and comprehension rather than enslavement and division? These questions insist on being handled insightfully and promptly as we stand at the cusp of our turning into an interplanetary civilization. And AI-enabled deepfakes, tailored information bubbles, and monopolies in quantum communication have to be looked at, nay ignored, no longer in the very fabric of an interstellar society. If left unchecked, these technologies might all too easily create a vision of the future as a kind of dystopian nightmare, where inhabitants are disconnected from reality, manipulated, and watched in various colonies, each one imprisoned within a digital world. It is up to humanity on this complex, dangerous landscape to balance precariously how quantum communication serves the common good, keeping at bay some forces of control through manipulation and division that such technology would otherwise bring. How are we to even conceptualize structures of governance on a stellar level that can assure equity in access to communications technologies, and guard against the monopolization of information? Will we be able to develop a framework of transparency and accountability, or will space become the latest battlefield of unrestrained surveillance and control? Seldom — if ever — has the bet been higher than in how to make, under the stars themselves, the very future of freedom, truth, and cooperation. Will it rise to the occasion and build an even more open, interconnected interstellar society — or will it irreparably shatter that collective journey between the stars in our subconscious submission to dark futures of information bubbles controlled by AI and monopolies in quantum communications?

- **Interstellar Inequality is Growing. Chasms of Wealth, Technological Privilege, and the Struggle for Life Among Colonies:** As humans spread across the star system, the initial dream of one united interstellar civilization becoming more elusive. Although some space cities and space hubs have become cauldrons of wealth and innovation in the most advanced technologies, along with economic might, many others are catastrophically poor at the hands of hostile environments, stifling taxation, and systemic neglect. It speaks not only to the deep-seated inequality on Earth, but to a great extension of that inequality now unfolding in space, whereby the distance, isolation, and lack of regulatory oversight will deepen the old divisions. And it does so create a universe where few have remarkable power while the many struggle just to survive — tangled in a web of exploitation, resource scarcity, and social injustice. Structurally, those inequalities flow from the uneven distributions of resources, technologies, and ameliorations. It is these rich space cities and hubs that accrue the most recent benefits from advanced AI technologies, bioengineering, advanced space infrastructures, and so many others. Only here are the best brains, here great investment is promised, and advanced technologies are actualized to ensure the lives of the inhabitants have been uplifted. These cities' biomechanical and technocentric enhancements mean much more than a life of luxury; they are status symbols that enable real practical advantages and social prestige. In post-human citizens' enhanced heads and extended lifespans, hardened against the cruelty of space, are born those destined for mastery in interstellar commerce, politics, and culture. Meanwhile, an interstellar oligarchy-a strained complex of the most powerful states, corporations, and individuals in influence-arises to oversee the economic and political environment further and cements its position as overlords over a large web of space cities and colonies. The oligarchs play intrigue games with the economies in the centers of power by using their influence to manipulate interstellar markets, take key resources hostage, and mold the policies that shall govern the interstellar trade and diplomacy. They dominated all quantum communication networks and transportation routes, making sure everything of great value stays in their hands. The inequalities permeate the star system. Most of the more distant colonies have to make do with very scant resources, fighting for survival on hostile environments with very restricted access to high technologies. Sometimes these colonies are established on the fringes of the solar system or on planets with extreme conditions, and many times they are burdened by exorbitant taxes levied by stronger powers in the form of Earth-based governments or interstellar corporations. These are such taxes that are allegedly paid for the support of interstellar infrastructure or security but really act to syphon off wealth from the periphery and into the core, further solidifying the rich space hubs and impoverishing the unfortunate colonies. Inequality is therefore more entrenched in these unfortunate colonies which are denied access to such advanced enhancements. Lacking the power to bioengineer their populations resilient to radiation, low gravity, or toxic atmospheres, these colonies have faced higher incidences of sickness, lower levels of productivity, and shortened lifespans. It has also meant that rich colonies which can afford autonomous systems and AI in efficient environmental management face poor colonial settlements relegated to dated, labor some means — sapping their economic viability, which is already dwindling. The result is a snowballing divergence — some colonies lead a life in post-scarcity; others drop into hardship and collapse, from which they can ill afford to rise. This is brought about through much economic manipulation and exploitation, of high heights — the rich space hubs controlling key resources—further disadvantaging the less fortunate in practices that increase their race to the bottom. The most common tools for asset wealth drainage from the colonies include money laundering, speculative trading in vital commodities like oxygen or water, manipulation of strategic markets—all possible with thick near-impenetrable financial webs across a number of worlds — accountable to no one, which basically allows the elites to act with impunity. The control that the interstellar oligarchy enjoys goes to their power over quantum communications, the technologies for perception massaging, and the technologies for stamping out dissent. They go on to control the flow of information in managing the narrative, creating information bubbles, and use AI-generated deepfakes to try and

obliterate opposition or further sow division among the colonies. In this way, controlled communication networks would ensure that any opposition is nipped in the bud and the only truths one is fed are those put forth by the oligarchy — an unopposed, unchecked version of reality. This, in turn, is extremely unequal with regard to the privileged distribution of technological enhancements. In affluent colonies, biomechanical and technocentric enhancements are not only life-supporting but also the entry ticket to positions of power and commanding status. Enhanced individuals have come to dominate command centers relevant to governance, space explorations, and military strategy, using their augmented capability to enable further privilege for their colonies. This further entrenches feedback in which the unequipped populations are driven even further down and through breeding further privileges from technological privileges, unable to compete on an equal footing. Differences in enhancement technologies also continue fueling social stratification within colonies. There is even, in rich hubs, a stratification of privilege where advanced enhancements will go to the elite, lesser varieties are peddled to middle-class people, and none to the poor. This stratification of enhancement parallels the socioeconomic stratifications of Earth but is magnified in space, where the benefits of the enhancements can often mean life or death. The unenhanced, therefore, are often relegated to dangerous and demeaning jobs, hence keeping going systems catering to the privileges of the few without access to any of those privileges. These inequalities range into the realm of the existential apart from being economic and social. In many of these struggling colonies, the everyday struggle for survival allowed little or no room for cultural growth, scientific progress, and higher consciousness. So, where the rich hubs pursue and expand human potential, pioneer new dimensions of post-human existence, the less fortunate people are neglected systematically and exploited into biologically deprived worlds. Such a dynamic would create a cosmos in which the trajectory of human evolution is bifurcated: some lineages race ahead while others stagnate or regress. These inequalities present major threats to interstellar stability. Where these disparities open up, so too does the resentment among the more disadvantaged of the colonies, breeding discontent and ironically conflict. Poor colonies may turn to piracy, to smuggling, or even outright rebellion in a bid to claw back their rights, or simply survive, within an otherwise heavily stacked system. Responses from the wealthier colonies, insulated by technological superiority, can include measures of punishment that only further embed the cycle of conflict and oppression. Add to this inequality and scarcity, the big specter of possible interstellar wars that can destabilize a fragile network of human settlements across the star system is real. Then, there is another factor: powerful space hubs manipulate the interstellar markets. These hubs know how to regulate the flow of vital resources, such as water, minerals, and rare elements; they can thus dictate the terms of trade with full-on exploitative prices imposed on impoverished colonies. It is because of this economic stranglehold that sometimes, colonies are also forced into debt peonage, where their whole output of economic productivity is solely dedicated to servicing debts incurred to more powerful entities. This is bonded debt, and this overhangs development within such colonies as well as their capacities for investment in technological or social development, hence the continuing dependence on those hubs which are wealthier. This lack of transparency and accountability in interstellar government only serves to perpetuate these inequalities. With no central authority able or inclined to regulate the ambitions of powerful states and corporations alike, there is little that can be done to help colonies finding themselves at the mercy of exploitative practices. Indeed, all efforts to establish governing interstellar bodies are doomed to be quite a flop, because the most powerful players would seek to remain in control or worse submit to oversight. So, governance of the star system is probably best described as a patchwork of different treaties, alliances, and informal agreements, none of which does very much in safeguarding the most vulnerable of colonies. This evidently serves to entrench inequality in culture. The stories of the rich largely dominate the discourse of interstellar affairs, while those of the beleaguered colonies, their histories and contributions, find themselves being ignored at best or deliberately erased at worst for the glories of the privileged. Further, it wipes out culture,

reduces standing even more — shoving them to be perceived as undeserving or incapable of determining themselves. In today's world, that would only remain another uphill struggle for recognition and respect of the underprivileged, now victimized not only against the theft of their material means but also against the belittling of all forms of identity and dignity. As humanity delves further into space, the challenge will be to address these inequalities in a way interstellar, making every iota of equity, justice, and shared development possible for all colonies of human beings. How can the benefits of colonization be shared universally and not end up in the possession of a select lucky few? What sort of institutions could possibly work to prevent the inevitable plundering and manipulation of these relatively weak, underprivileged colonies by powerful interests? But how would we realize an interstellar government in a manner that it would genuinely respond to the needs of many, not just to the needs of the few? For instance, how can we take the tough interrelation of technological augmentation and economic power with social justice, and navigate it in such a way that diversity in human and posthuman experience is respected? How do we ensure that with the different colonies each pursuing technocentric, biomechanical, and biocentric paths of evolution, such paths are not used as further dividing and separating mechanisms? Can we imagine a future in which it would be possible to understand and then organize for the common good our diversity of experience, instead of using our diversity as a means of excluding and controlling others? That the possibility of our making our way into space could be an opportunity to build an interstellar society more equal and inclusive, or if it were likely to replicate on some cosmic scale all those injustices cultivated and perpetrated on Earth? The decisions we take today shape whether that future is a place of freedom and co-operation, mutual respect and shared prosperity, or whether it descends into chaos and conflict. How the human race will face this test, and what sort of interstellar civilization we choose to construct, remains yet to be seen.

- **The Role of Tier 2 Consciousness in Governance and Diplomacy. Cosmocentrism Tracks The Challenges of Cosmogeopolism:** The further reach into space, the more exponential complex issues of governance and diplomacy flowers from great distance, extreme environments, and multiple states of consciousness between colonies. Cosmogeopolism, on the other hand, calls for new kinds of sophistication in management — on one hand, alliances ever-shifting across lines of power contentions and, on the other, interstellar polity-wide sets of trajectories in socio-cultural development. Such demands, incidentally, have already vindicated that the traditional Tier 1 consciousness-understood as individualism, competition, and often parochial concerns within the Spiral Dynamics-proves itself manifestly inadequate with the multifaceted demands of the new era. Governance and diplomatic structures have to be designed from a level of understanding, Tier 2 and above, where cosmocentric views integrated with much more advanced states of awareness translate into practical sailing tools for these cosmic waters. Yellow and Turquoise are the Tier 2 consciousness levels in Spiral Dynamics that truly herald a new paradigm, moving from the fragmented, competitive mindset of tier 1 to one that is integrated, systemic, and holistic. This is the level of consciousness in which complexity and interdependency are valued, and where a look is taken beyond immediate self or factional gains. In other words, Tier 2 brought the cacophony of needs and desired treasures held dear by each one of the myriad humans and post-human agents from around the star system into harmony within interstellar governance and diplomacy. At its base, Tier 2 consciousness should have been able to deal with complexity in systems thinking to which Cosmogeopolism's problems could not reduce to simply binaries or zero-sum games. Governance structures at this level would emphasize the integrations existing among all the colonies, the realization that decisions reached on one celestial body may have wide ramifications across the star system itself. Simultaneously, a Tier 2 approach would design policy sensitive to the dynamic interplay between ecological

sustainability, technological advance, and social equity; crafting policy so no colony's actions go on to threaten or jeopardize the larger interstellar community. Water, minerals, and energy, for instance, would not be left to resource governance under the competitive extraction models of Tier 1; they would make a collaborative framework on ways that favor the long-run well-being of all the colonies. This means formulating very clear, fair-sharing treaties which will acknowledge the interdependence of the colonies while not allowing there to be any monopoly of critical resources by the rich space hubs-a situation whereby chances of conflict could emanate from scarcity. Tier 2 consciousness also fully appreciates the manifold of different perspectives and levels of consciousness that may manifest in various colonies. The key principle underlying integral diplomacy in such awareness would be to try to bridge the gaps in understanding across technocentric, biocentric, biomechanical, and other post-human trajectories that cultivate a respectful conversation concerning the particular courses of evolutionary development each colony has pursued. Although Tier 1 diplomacy would be the kind that is likely to push for only one universal standard or worldview, integral diplomacy would operate on the basis of "both/and" rather than "either/or" — recognizing that different approaches may coexist but equally inform and perhaps enrich each other within the larger interstellar context. These different recognitions of consciousness would, in turn, go on to inform governance strategies that could be flexible and adaptive, and even evolve as the needs and values within these colonies kept changing. For instance, most likely, the technocentric colonies would require governance far different from those of biocentric colonies that place emphasis on ecological balance and natural evolution. Governance at Tier 2 would then extend modular, context-sensitive frameworks that allow just such pluralities while maintaining coherence and integrity of the interstellar pattern. One hallmark of Tier 2 and post-Tier 2 consciousness will be an emergence of cosmocentric awareness—that is, beyond anthropocentricity and beyond species-centrism: embracing the universe as an inclusive perspective on life and existence. Within the framework of Cosmogeopolism, this becomes the necessarily crucial cosmocentric trajectory in dealing with the existential challenges thrown up by interstellar expansion. This encourages the colonies to look at themselves not as isolated entities, competing with each other for resources or influence, but as parts of a continuing greater cosmic ecosystem with responsibilities beyond their immediate interests. Values of cosmocentric governance would include stewardship, co-operation, and the pursuit of common objectives conditioned by long-term well-being for all forms of intelligent life. Such undertakings might involve the protection of interstellar environments from overexploitation, the ethical use of advanced technologies, and the sowing of a common purpose to bind colonies in their diverging interests in exploration and cosmic harmony. It will guide cosmocentric trajectories through mediation and mutual understanding, help in diplomatic moves for conflict resolution, though never through coercion and force — that success or survival for one colony realizes an intrinsic relation to the well-being of the whole. Among the big challenges Cosmogeopolism grapples with are the dangers of power struggles, economic manipulation, and the rise of interstellar oligarchies working toward controlling resources and influence for their benefit. This is singularly ill-equipped at the level of Tier 1 consciousness, whose paradigmatic theme is hierarchical dominance and zero-sum competition. Whereas governance in Tier 2 is concerned with systemic balance and seeks to surpass mere power struggles by creating systems of collaboration that more equally distribute power within the star system, a possible economic translation would be to create a system of interstellar trade that avoids monopolies and gives all colonies, regardless of their level of technological or economic development, equal access to resources and markets. Tier 2 awareness would support diffusing economic power and foster various forms of economic organization-from cooperative to decentralized, blockchain-based systems, that empower local

colonies while preserving a cohesive interstellar economy. Tier 2 and the higher levels of consciousness also increasingly challenge speciescentric models of thought that have, until now, dominated human discourse in favor of an inclusive understanding able to comprehend the wide diversity of posthuman forms of evolution and even nonhuman intelligences. For that reason, policy constitutions under a cosmocentric governance framework will have to consider not only human and trans-human interests and rights but those of other forms of life that humanity either will face or — through bioengineering and synthetic biology — be able to create. This enlarged conception of governance should stimulate novel legal and ethical constructs concerning rights and responsibilities toward a wide spectrum of beings, from sentient AI through to genetically modified organisms and even possibly to extraterrestrial intelligences. These would entail values such as respect for differences, coexistence, recognition of intrinsic value — values that lay outside the force of utilitarian calculation embodied in Tier 1 so often, it seems, working against the interests of others. Beyond Tier 2, actualizations of higher states of consciousness, like the Integral and Non-Dual experiences shown in the Wilber-Combs Lattice, extend the reach into Cosmogeopolism. These are conditions in which dualities collapse and a deep-felt sense of unity and interconnectedness saturates the entirety of experience. It is they — the leaders, the diplomats — leading from these lifted states of consciousness, perhaps, who may bring forth the special gift of problem-solving into the most intractable issues at interstellar governance — not through domination, but with insight, compassion, and a call to collective action in great inspirational endeavors. The type of leadership that will perceive the universe as an integral part of one web of life and intelligence, wherein every node is interlinked, serving the whole, not as an arena of contending interests. They would make policy suggestions reflective of such a holistic understanding: policies oriented towards the well-being of interstellar ecology, policies orienting conscious evolution, and policies developing a civilization honoring wisdom, creativity, and boundless knowledge growth. The imminent course of human evolution into the interstellar absolutely depends now on how far human tiers-most especially Tier 2 and above-can result in governance and diplomacy at this most critical stage. Will we rise to the challenge-embracing cosmocentric values and higher states of consciousness-or be left in the squall and limitation being created by Tier 1 thinking? How do we develop the leadership and governance structures that will be in sympathy with the vibration of those higher levels of consciousness and Tier 2? And through what types of educational, cultural, and technological pathways can this evolution be nurtured? Finally, how do we manage tensions among multiple posthuman trajectories so that diversity across a cosmically situated human experience serves to strengthen rather than divide? What systems of governance shall we develop — ones that are flexible enough and dynamic enough — to address the enormous diversity of needs, values, and aspirations that are likely to be expressed when humankind spreads across the stars? Given the emerging opportunities for interchanges with non-human intelligences and an expanding technological capability, what abiding principles might serve as common ground in a cosmocentric ethic upon which, fundamentally, the interrelatedness of life rests? Answers to these questions will spell out the future of human civilization, not just on Earth or in the solar system, but out into the vast unknown spaces. How shall we make sure that our venture and growth further the highest expressions of human potential, and what kind of legacy will we leave as we take this step into the next phase in our collective evolution?

3. The Multiplanetary Stage

The multiplanetary stage of Cosmogeopolism is characterized by the beginning of clear political, cultural, and societal identities wherein humanity is colonizing its presence on several planets spread across various star systems. At this stage, colonies seek autonomy in the form of regulatory frameworks particular to each and assert distinct identities. Political games at the interstellar level, propaganda, misinformation begin to take the front seat in these complex dynamics of interstellar relations. It is this sense of planetism, stellar hierarchy, dominance, and positional rivalry that forms a geopolitical landscape framing the terms of cooperation and conflict between different colonies.

- **Interstellar Cosmopolitical Games on a Multiplanetary Stage. Reflections on Planetary Identities, Power Plays, and Fragmented Unity in the Cosmos:** For Cosmogeopolism, the real critical phase will come when humanity will have become able to colonize several star systems — or even simply to install colonies on different planets. Yet this growth is at the same time technological and physical, last but by no means least, new and specific political, cultural, and social identifications irreversibly linked with the peculiar conditions of every body — and in this sense leading quite inevitably to claims on behalf of colonies for autonomy and to the establishment of regulatory regimes fitted to the peculiar environment. It thus appears as an elaborate stage of geopolitics, where propaganda, misinformation, and positional rivalry have characterized the relationship of the stars. Welcome to the world of planetism, stellar hierarchy, and, consequently, the fight for dominance that will redefine the very essence of human and post-human civilization. The Cosmopolitical landscape was well voiced with detail as human sprawl reached far into the distant star systems. While this was nominally controlled during the early colonization of our own solar system by Earth, the large size and multifarious nature of the exoplanetary environments in which the colonies now exist render centralization inefficient. Each colony takes on a character dictated by the particular stellar region it finds itself in and often with environmental conditions sharply different from Earth's legacy. As these colonies take firmer root, they are sculpted under every sort of adversity and endowment: extreme gravitational differences, disparate radiation levels, atmospheric composition, and base mineral availability. These drive adaptation not only in technological terms but also in social mores, systems of governance, and cultural values. Their identity adopts the dimension of planetary existence, now profoundly connected to the very idea of stellar hierarchy, far away among those star systems. The colonies, on finding such resource-rich planets or taking hold of strategically important regions, by virtue of this very fact, do try to assert dominance within the star systems. This power struggle is not only for hanging onto resources but deep into the molding of interstellar policies and the direction of trade and diplomacy. But this rise in power brings with it the capability to project an identity that is not only discrete units but indeed as regional leaders in their stellar neighborhood. Such an evolution of identity-planetary or stellar-centric-creates a kaleidoscope of alliances, rivalries, and conflicts defining the relations across the stars. The impulse toward self-governance, toward the declaration of disparate identities, puts them in opposition to Earth, which conceives itself still as the home world and an ultimate governing force. In practical terms, the reality of governance spread across light years of separation — where communications lag times are measured in years — Earth's influence is increasingly ceremonial rather than actual. Attempts by the early Earth to impose unified regulatory frameworks on the separated colonies quickly gave way to a decentralized approach, in which colonies deny Earth's overreach and build their own localized systems of governance. The decentralization represented both the logistic impossibilities, if not desire for self-government, of maintaining control of Earth over the sprawling interstellar community. Within this setting, as independent colonies took the stage, they slid into complex interstellar political games fought over control of resources, technologies, and information. Technologies such as advanced AI and quantum communications went from being serviceable on the mission of interstellar connectivity, to being quick-handedly conquered, into these geopolitical struggles. Colonies would use such technologies in manipulating information, conducing propaganda campaigns, and controlling the very narratives through which interstellar

politics is defined. Deep fakes, AI-tailored information bubbles, and disinformation campaigns targeting specific regions became standard tools within the process of molding perceptions and decisions by creating secluded pockets of reality in tune with the interests of the most powerful. Quantum communication network manipulation by state and corporate interests turned into a critical factor in these interstellar games. Over time, this would make the colonies ever more dependent on such networks, making holders of quantum repeaters and key nodes of communication extremely powerful. Those entities may thus block, modify and delay any transmission in order to control the flow of information across great distances. This stranglehold on communication is a tool of both propaganda and means of economic and political leverage for permitting powerful colonies or corporations to hold their grip on less privileged settlements. Such means of monopolizing the communications erode the possibility of an ever-more-open interstellar society, where freedom of speech and independent journalism are increasingly smothered beneath layers of surveillance and control. Further complication has arisen with the rise of stellar hierarchies, in which those colonies which do in fact have resources — super-rare minerals or technology lightyears beyond others, for instance — are making strong overtures to other settlements in their home star systems. They use their economic and technological advantages over nearby settlements as part of the domination process, wherein power is vastly concentrated on a handful of individuals within this tiered interstellar structure. All the interstellar oligarchies play economic games to continue their supremacy-the very rich colonies, corporations, and politically powerful factions. Market manipulations, interstellar sanctions, and strategic resource allocations are all to weaken the competitors to keep them at bay, ensuring that they retain the top slot in that hierarchy. It forces a concentration of power that creates huge inequality among the different colonies. The space cities and hubs represents strategic locations in which incredible prosperity and access to very highly advanced technologies have been allowed to establish themselves within their environs. Self-sustaining colonies, able to afford investment in the latest biomechanical enhancements, digital consciousness transfers, and other ultra-advanced developments, further set them apart from their less fortunate brethren. On the other hand, colonies that fall in harsher or less privileged regions strain to make ends meet, let alone compete with technological advancement for their wealthier counterparts. Such economic stratification creates resentment and unrest since often it is the case that the marginalized colonies are victims of exploitative terms of trade, excessive taxation, or outright manipulation of their economies by the dominating interstellar powers. These oligarchies are not only managing their power through the economy but also by dominating key infrastructures — space ports, transportation networks, and energy grids. One could actually stand in the way or open wide to that exchange between systems and travel from that position of power with those basic services in hand for full dominance of the greater interstellar community. It thus creates a tautological feedback of powers and dependencies, whereby those oligarchies drive the less privileged colonies further into dependence even on the most basic needs and technologies, entrenching them further into economic and political subjugation. The interplays of autonomy, control, and rivalry define the interstellar cosmogeopolitical games on the multiplanetary stage. It is this very gesture through which colonies, in forming their identity and asserting their independence on one hand, raise the potential for conflict. Without unified governance, because of the multiplicities in the interest of various colonies, cooperation is a far cry. Especially, because certain disputes over resources, territorial claims, or other ideological issues may flare into full-scale conflicts using advanced technologies to stoke off tensions and destabilize rivals through AI-driven propaganda or disruption of quantum communications. In such a divided landscape, the dream of an interstellar community that could be possible in terms of one's being ever closer seems increasingly tenuous. This is overlaid with yet another layer of interstellar dynamics: the divergence in evolutionary paths between human and post-human colonies. While different colonies would, in their evolution, go down distinctly different trajectories — biomechanical enhancement, biocentric philosophies, or technocentric development — the cultural and

philosophical differences would become that much deeper. Not only does each colony's identity take shape from its physical environment, but also from the particular path that it undertakes in the direction of post-human evolution. They are but positions and poles of a consciousness standing polar to each other, and therefore leading to misunderstanding and crash, additionally exaggerated by information manipulation and the lack of effective diplomacy. Fragmentation of the stellar community and growth of separate stellar identities pose profound problems for cosmic coherence. The prospect of a common regulatory framework therefore recedes as the colonies become more independent with their increasingly deep-seated identities. Governance remains only in a quilt of treaties, alliances, and informal agreements that reflect needs and priorities particular to the colonies party to them. This fragmentation carries real risks for the stability of the interstellar community: disputes between conflicting approaches to regulation almost seem to be constant, while divergent interests make widespread conflict very much a real possibility. While the challenges of governance and diplomacy have now grown infinitely more complex, humanity and post-humanity are extending themselves into the cosmos. How can governance structures be developed so as to encompass a wide array of needs and aspirations emanating from spread-out colonies across multiple star systems? What is applicable within diplomatic frameworks for managing an intricate web of alliances, rivalries, and positional games defining the nature of interstellar politics? How, then, do we balance our desires for separate stellar identities with that for mutual coordination? Can a system be devised which accords autonomy yet insists on consistency and coherence of pattern at the interstellar level? The answers to those questions will shape not only future human, but also post-human civilization in space. Do we now rise to the challenge, make the right decisions to go forward, raise the humane profile of this multiplanetary phase, or will we follow in the deadly, dismal, demoralizing, divided spiral that has been chronic in much of our history? It is our choices about the stars that will determine what happens with our interstellar civilization. Will we create a future in which our diverse human and post-human experiences will be celebrated and absorbed into the seamless whole, or shall we shatter into racial and ethnic enclaves in ruthless competition with each other, ruled by selfish self-interest? Our cosmic future is dependent on our ability to conceive and create a new form of government, one that would transcend the lacuna of the past and unlock all the potentials that the cosmos would hold in store for us. What kind of interstellar community do we want to build, and how shall we pick our way upon this tortuous, and very often perilous road, to its founding?

- **Proxy Wars Among The Stars at The Multiplanetary Stage — Secret Wars Shaping The Cosmic Landscape:** The Multiplanetary level in development, as Cosmogeopolism flowers out into the stars, of which both humanity and post-humanity would either produce several distinct stellar hierarchies or the beginning of the interstellar proxy wars. These are wars not fought directly by the major powers but conducted through influence of the smaller colonies and factions, thus turning into a defining characteristic of the cosmic landscape. The colonies declare independence and swing off in totally different political, cultural, and technological directions, so that the interstellar stage would resemble one big back-alley web of alliances, rivalries, and covert operations. From proxy wars through economic manipulation and technological sabotage to ideological subversion, a power struggle openly grows and underpins the nature of interstellar relations. It clearly follows from here that, on such a backdrop, frontal battles of yore gave way to shadowy conflicts in which influence, control, and advantage were pursued without direct confrontation. Briefly, the move into proxy wars had been more or less an outgrowth of the competitive environment built by interstellar politics. Powerful colonies, corporations, and political factions shared an ambition to spread their influence across the cosmos without the associated risks and expenses connected to military involvement. Most often, they act through intermediaries — the lesser colonies, the mercenary groups, the independent AI fractions — using them to expedite their own agendas in other star systems. These, in turn, are used by the major players for funding, arming, or otherwise supporting in view of maintaining control of strategic

regions, access to valuable resources, and even causing disruptions to rivals in a way that might allow plausible deniability. These will project military power and influence vastly beyond home regions, making the interstellar landscape a battleground of hidden conflicts and clandestine operations. This happens rather often because of a difference in interests and the setting of agendas among major interstellar powers. For instance, the technocentric colonies have certain philosophies that would lead their interest towards supporting factions that extend their influence in proportion to those of a well-automated, AI-driven society. Tech-centric powers might reinforce other groups of mercenaries or separatists acting on the colonies, with the aim of weakening governmental structures that are opposed to their technocratic ideal. Life-centric factions, dedicated to preserving natural evolutionary pathways and ecological harmony, may work with insurgent groups opposing the incursions of technology or fighting to curtail the exploitation of native resources by interests that are either tech-centric or biomechanical. It would be a welter of conflicts spiraling around one another, each through rival visions of what humanity and post-humanity should be. More often than not, at the stake is not just some sort of ideological proxy war, but control over key resources, technological assets, and strategic locations. As a consequence, competition for such rare minerals, energy sources, and advanced technologies that might decide fates of whole colonies is one of the prime drivers for interstellar proxy conflicts. The former would be interested in conquering a planet replete with scarce elements needed for functioning at high levels of AI systems; the latter, in possessing a region with a few unique biological resources that could be crucial for their augmentations. In turn, major powers back local factions supportive of their interests and hence secure strategic advantages without exposure to outright retaliation. The involvement of the great powers of interstellar belonging complicates the scene of interstellar relations by way of proxy-affected, economic, and technological guerrilla actions. Economic sanctions, trade embargoes, and resource blockades: corporations and strong colonies applied as so many bludgeons to press or destabilize rival powers. For example, a company controlling some source of critical energy would be able to deny access to it, thereby coercing its dependent colonies to either yield to their demands or else collapse economically. The second is technological warfare-cyber-attacks, AI-driven sabotage, and quantum communication disruption-are some of the ways in which the proxy conflicts will be pursued. The great powers try to, in concert, disable the infrastructure of the rival colonies, destroy their communications, and undermine their political cohesion, all while maintaining a face of neutrality. Quantum communication networks idealized in previous centuries as the very foundation upon which interstellar communication was maintained-do not remain immune to serving in proxy wars. Without this interstellar coordination effected by the quantum networks, this most vital of threats simply serves as the primary target of sabotage and manipulation. Rogue AIs, mercenary hackers, and state-sponsored cyber forces alike hack into or otherwise exploit the vulnerabilities of quantum repeaters and communication nodes to precipitate chaotic behaviors that can isolate colonies, distort information, or even turn friend against friend. More often than not, great powers master or cripple those networks to divert the flow of information in ways that could obfuscate, misinform, and sow dismay within enemy factions. Control over the means of communication in these proxy conflicts may be more than keeping the advantage but also a very powerful tool for setting terms in which the more general interstellar political narrative is unfolding. The broad consequences are with large ramifications, not only in their immediate participants but on a general interstellar community. This is because collateral damage in terms of civilian casualties, economic hardship, and long-term disruption to the society ensue from destabilizing one's rivals and extending influence through proxy forces by the great powers. Thus, resource depletion, infrastructure damage, and breakdown of social cohesion in the colonies caught between these conflicts leave them further vulnerable to exploitation and manipulation of all sorts. Continuous low-level conflict undermines trust between colonies and progressively forecloses unity in those cooperative human activities: trade relations, scientific interaction, and diplomacy. In this general atmosphere of suspicion and rivalry, the possibility of a single

interstellar community becomes long gone; the colonies become more and more insular and suspicious of their own interests. The interstellar government developed on the base of such fragmentation increases the potential damage from these proxy wars. With no overwhelming force willing or capable of arbitrating, much less containing such conflicts, the interstellar community must function within the kaleidoscope of clashing interests and fluid alignments. Most diplomatic efforts toward the resolution of proxy wars ran into the stonewalls created by a lack of willingness on the part of key powers to come clean about their involvement, as well as loyalties and hostilities making up the interstellar environment. This not only protracted the conflicts but also made resolution of such conflicts less likely since the factions continued to enjoy the support from their external backers, who themselves have little incentive in seeking a peaceful resolution. Interstellar diplomacy only ensued many difficulties and brought the situation to deterioration in this way. The negotiators in these circumstances had to consider not only the open demands of rival colonies but also those of the powers behind the proxies. The competing strategic interests of the sponsors may themselves be entertained by the continuing or resumed conflict, adding further complications to the peacemaking and ceasefire-establishing efforts. Information manipulation further complicates diplomacy in the form of propaganda and misinformation used by parties to conflict in an effort to influence public opinion and undercut the making of peace. In fact, it is but a backdrop against which the possibility of genuine dialogue and resolution is maximally reduced, considering that the legitimate stakeholders of conflict lie buried deeply inside heaps of deception and subterfuge. This further raises questions on whether long-term interstellar governance and an interstellar community vision of stable, cooperative end states are achievable, given the wide implications of proxy wars. How can the underlying causes of proxy wars be remedied to avoid adverse impacts on the general cosmic environment? What can be done to keep the great powers, with their proxy agents, in check, accountable, and minimize potential covert conflicts? How can an interstellar community be designed that puts more emphasis on the principles of diplomacy and cooperation rather than rivalry and manipulation? The challenge of treading through the interstellar proxy wars is at par with the ethical considerations for the same. With the colonies and factions being pawns in the great games major powers play, it's hard to ignore the human and post-human cost such conflicts bring. How could the interstellar community lay down norms and standards with which the rights and welfare of those caught in the crossfire of proxy wars would be protected? What is the responsibility of the great powers toward the colonies they support, and how much the worse off can they be held responsible for the outcome? So long as man and his successors into post-humanity continue to fill the sky with multiplied hordes of people, the proxy wars fought out between the stars are both a challenge and an opportunity. The decisions taken during this multiplanet phase will determine for generations how interstellar relations will be conducted. Shall the lust for power and its trappings drive us further apart, or can we find our way through the many complexities with a commitment to the things that bring us together and bind us-collective well-being and mutual respect? Whether our interstellar civilization lives to flourish into the future depends on whether we can face down those clandestine conflicts that define our celestial terrain and begin charting a path where cooperation trumps conflict, transparency trumps deception, and unity trumps division. What will be the manner in which we shall go about constructing an interstellar community of the morrow, and what heritage will we leave unto the stars?

- **The Manipulation is Interstellar Corporate Manipulation, Something Like Interstellar Economic Standing 4D Chess:** Corporations are now paralleled with humanity and post-humanity, spreading further into the cosmos. It is at this time that these powerful entities, unleashed from terrestrial bounds and limitations, can operate over huge distances across multiple star systems while combining their influential capabilities to lay steerage to the course of interstellar development. That is no longer business competition but strategic games, much more

complex and beyond the conventionally understood notions. It is their unsurpassed power that gives corporations an advantage in this multiplanetary phase of cosmogeopolism. These actors could be described as playing 4D chess: through market monopolization, resource control, technological disruption, and political subversion, to secure their long-term goals of dominance and profit maximimization by crafting interstellar oligarchies. This places outer space as an extensive area for corporate exploitation where either the governing structure is fragile or almost non-existent. It is the place where companies flex their muscle almost with abandon and with immunity, a place where they are able to operate their aggressive behaviors without constraints of terrestrial laws. The more well-known method of exercising muscle by companies is through resource monopolization. The presence of just a few key materials — whether rare minerals needed in higher technologies, available and useful energy sources for spacefaring, or biological resources for biomechanical augmentation — will likely define the success of a colony in planetary colonization. In that respect, the possessor will have great power to control the situation and twist the terms of trade in his direction, extracting concessions or even engineering changes in the wider interstellar economy. This control is often gained by economic coercion, strategic alliances, and outright force. Firms may send in armies of mercenaries to capture key mining facilities on the distant asteroids or planets. Private militaries can act with the directive to serve as something that drives off any competitors and any form of local opposition. The alternative was economic warfare — flood markets with cheap resources to drive competitors out, then later jack up the price once they had a monopoly. The most competitive corporations in the world began even sabotaging each other: cyber-attacks, the destruction of facilities, and an operation that created good information and mutual distrust, a lack of stability. Another strong tool in the corporate arsenal is market manipulation. With control over the means of flow of goods, services, and information, a corporation can easily manufacture scarcity, inflate prices, or destabilize economies to their own advantage. Suppose a corporation has almost monopolistic control over some crucial technological component such as quantum communication devices or fusion energy reactors. The economic stability of an entire star system may be at the mercy of supply control by that single corporation. These intended over- and underproductions enable corporations to engineer market dynamics such that price can be driven upwards or downwards, depending on strategic imperatives. At other times, they can be far more subtle. Consider creating dependencies in the colonies through essentially cheap technology and then ramping up maintenance fees or upgrade charges. That reaches far beyond mere market control; this is active financial manipulation, at work on the currents and streams of investment. Speculation permits corporations to move monumental sums of capital from one star system to another, thereby crashing the value of a currency, stock, or even commodity. In that case, strategic divestitures from or investments in key sectors set them running for cover as the economic boom-bust cycle rewrites the fate of a whole region. What happens in many cases is that the financial games are played at several levels: investing in infrastructure projects, technological development, and political lobbying all at once in order to create a variegated approach to the exercise of influence. One does so in a bid to place oneself in such a position where key decisions concerning distribution of resources and wealth within the interstellar economy must take care of one's own interests. Another way for the corporations to flex their muscles is political manipulation. The corporations influence the political setup by financing a desired political faction, lobbying for friendly regulations, and at times even installing puppet leaders in strategic colonies where needed. In some rare cases, the corporations can take direct interest in governance and take over a local administration under various pretexts of providing essential services or to stabilize the economy of the struggling economies. These colonies, run by corporations, are little more than company towns in which even the smallest detail, from jobs and housing to schools and health care, is strictly regulated according to corporate policy to maintain efficiency and profit. The inhabitants of such colonies are free in many ways but often find themselves under strong controls that undermine their freedoms and tie their livelihoods to corporate success. Advanced

technologies make it so easy to tamper with interstellar dynamics. Contemporary quantum communication nets, artificial intelligence, and big data analytics endow companies with entirely new means of surveillance, prediction, and control over their corporate systems. This allows a corporation to be many steps ahead of competitors or regulators through monitoring communication channels, analyzing economic data, and forecasting market fluctuations. Apart from that, AI-driven algorithms tune supply chains, optimize the extraction of resources, and even make predictions regarding dangers — all for the ability of corporations to promptly react in case there is somebody else having his or her own supposition of supremacy. Sometimes, an AI system potentially capable of independent economic and political maneuvering, negotiating deals, making trades, and influencing public opinion can be used by a corporation. One more weapon in a strong corporate arsenal is the implementation of AI-based propaganda and misinformation campaign tools. By manipulating the story that creates impressions in people's minds, corporations will find ways to minimize their rivals, enhance reputations, or otherwise game the most politically propitious environment for furthering their corporate interests. Means followed may just be deep fakes, AI-generated news, targeted disinformation in order to change public opinion, or even to screw up operations of competitors. In a universe where information is power, for one to survive the interstellar struggle for power, then control and manipulation of information is the very name of the game. Corporations surely have to take the lead in the management of perception; not only with consumer habits, but even down to the general socio-political currents of star systems in which they exist. Whereas most colonies barely survive, riddled by poverty and instability, a few luxurious colonies and corporate-controlled hubs enjoy unmatched prosperity because the corporations continue to amass more and more strength. For this reason, social disorder and rebellion are fruit of economic inequality, where marginalized colonies rise against an exploitative class of corporate elite. Of course, in many cases, resistance movements are formed, hoping to take back control of local resources and self-governance from the corporate masters. However, these are generally outgunned and outclassed by the far superior resources and technology that they most often find themselves confronting amongst their foes — the corporations. The open and concealed fights for supremacy further complicate the already unstable interstellar environment. That unmatched power that corporations wield translates also into huge ethical issues, in which profit, more often than not, is contrasted and placed in opposition to human and post-human rights. Conditions common in the corporate-controlled colonies are abusive labour practices, environmental degradation, and the commodification of vital resources. Its further points bioengineering and transhumanism as a tool of control, towards which deep questions will rise on the nature of freedom and autonomy within an interstellar society. In all cases, this might extend further to embrace genetic enhancements, cognitive implants, or any other form of biotechnological manipulation that blurs the line between human agency and corporate control. This very type of manipulation reaches down to the very makeup of who it is a person is, skirting these lines of personhood and free will. The perhaps widest question arising for interstellar governance is: how can corporate influence be regulated and controlled so that there will not be a wholesale exploitation of space and population? Do these investments encompass in them a trade-off between economic innovation and growth on the one side, colonies' rights, and welfare protection on the other? What is the framework and the institution that has to be put in place to make such corporations accountable over many star systems where the traditional mechanism of regulation hardly does any good, or does not exist at all? And then how will space colonization be arranged so that benefits and fruits are distributed equitably rather than concentrated in a few hands? This vision of one tremendous, fair interstellar civilization becomes the inconvenient truth when confronted with corporate power, economic manipulation, and technological control. Neither human nor post-human expansion into the cosmos will be conceivable without consideration of corporations that will be linked to that process of ever-expanding human and post-human population of the universe. Is it the profit and power motive itself that just binds us further in the web of fragmentation and disparity, or can corporate

ingenuity be harnessed for the greater good? How these will be managed by wisdom, foresight, and adherence to the ways of equity, openness, and mutual respect is the real question conditioning the future of our odyssey among the stars. In what image will we wish to mold the interstellar community of the future, and what role shall be undertaken by corporations in the unfolding tale of our cosmic destiny?

- **The Lawless Zones and Rogue Star Systems. The Dark Underbelly of Interstellar Expansion:** As humans, and post-humans seek to stretch their tentacles across the cosmos, vast tracts create havens for outlaws and rogue star systems — spheres beyond the reach of most established control — wherein criminal syndicates, rogue civilizations, space mafias, and pirate factions flourish. These regions have fallen even beyond the interstellar law and order, with hotbeds of the conduction of activities ranging from human to post-human trafficking, illegal arms trading, bio-enhancements, and other contrabands. Completely free from even a hint of directed control, these regions provide fertile ground wherein the transactions are covert, secret alliances formed, or even exploitation of people and resources goes unchecked. The existence of lawless areas would certainly reflect the underside of expanding into the stars when profit, power, or sometimes just mere survival would supersede all considerations for decency and ethics. Of course, off-law space arises under a huge amount of inducements: size and scope of space; extreme difficulty in keeping proper governance up over the light years of distance, manifold different agendas. As the colonies continue to spring forth across numerous star systems, any kind of centralized authority-for instance, Earth-based, interstellar coalitions, or powerful corporations-can only feebly enforce laws. Lawlessness is bound to crop up naturally in the more remote reaches of space, where lines of communication are measured in years and resources for enforcement have grown thinner. These dark zones have now become hotbeds of activities for all — from maverick AI factions to separatist movements, freelance mercenaries to organized crime syndicates — all that work far from the long arm of interstellar law. Some of the first cases proving this actually involve what are now the centers of these rogue civilizations cropping up. Most of these have unique cultural, ideological, or technological trajectories; very often, they are those that work by their own rules, even those in total contradiction to the norm of more established colonies. In a number of these rogue civilizations, radical ideas have been fermenting—some in which AI and machine integration go to the edge, or some hyper-individualistic ideologies offer no openness for collective governance. Still others traverse the biomechanical routes of proscribed genetic manipulation or cybernetic enhancement, too risky or wrong to be within the bounds of mainstream society. Others straddle the line between experimental sciences, but without regard for bound ethics: piracy and raiding against more established colonies become the acts of rogue entities. Criminal syndicates and space mafias that take advantage of this lack of oversight create networks across a number of star systems, using lawless zones as their operational base. All of these illegal activities run on a large scale, from human and post-human trafficking to forced labor and subaltern exploitation by organizations. It is in such places that the human or post-human or even an AI is actually held as a commodity; trading them for some gain or forcing them into servitude in mines, quarries, landfills, or any kind of hazardous factory. Conscious data trafficking and neural augmentations continue this exploitation, the living being's consciousness now an asset to be traded, manipulated or taken against their will into new bodies or virtual realms. The piracy in space, once confined to the realm of fantasy in the minds of Earth-bound dreamers, has become a grim, harsh reality in these lawless zones. Pirate factions armed with lethal weapons operate highly maneuverable spacecraft to prey on transport ships, space hubs, and all but the most well-defended colonies. Some of them are not ordinary opportunists but could be, in many cases, well organized. The methods would range from sophisticated hacking into quantum communication networks and disabling navigation systems to the use of decoys or fake distress signals. For the spoils of piracy come not only in material goods, but also in technology and data, persons — all which go up for sale on the

black market, or otherwise used to enhance the abilities of the pirates even more. The other cornerstone of the economies of lawless zones is illegal trade in bio-enhancements and weapons. Only rogue biotech companies, not hindered by prohibitive hands, develop enhancements — those that range from implants increasing performance and black-market genetic modifications to advanced cybernetic augmentations. Those bio-enhancements are unsafe and unstable, which makes them be in demand by colonies and factions fighting across the interstellar expanse. It has become the flowery nest of illicit trade in weaponry — from bioweapons to EMP devices and quantum disruption technologies. Feeds the mercenary groups, rogue factions — some even of the established colonies, quite happy to work around official channels in their endeavor to access advanced armaments. And critical nodes, in secret exchanges between criminal entities and heads of both state and megacorporations. It's at this location that secret contracts are signed for mercenary services; it's in this location that banned technologies trade hands and fortunes are laundered. And it is here that the political fractions try to outmaneuver their opponents-be it in backroom deals-or where companies try to get around regulatory oversight by doing business on the down-low. It is there, hidden in anonymity and hidden from the over-watch, that such areas become perfect for those wanting to perform something they could not get away with under a closer eye. They are the powerbrokers in their own right; they have connections, and the services they provide hold sway in the greater sweep of interstellar politics. Yet this meaning of the derelicts goes much further than mere territorial integrity; what happens across their stretches of space has ripples throughout the rest of the star faring community. The presence of rogue factions and criminal syndicates sows' instability in other colonies, corrodes efforts at interstellar cooperation, and perpetuates cycles of violence and exploitation. This constant threat of piracy and raiding further upsets the trade routes, inflates costs for insurance, and diverts the resources of the colonies toward defense and security, preventing their development. The traffic in illegal Enhancements and weapons can only support an arms race and escalate the conflict, because the factions use ever more potent technologies to protect or expand their interests. Despite such pervasive signs, the real issue is probably that lawlessness in the star realms and the obvious barriers it presents to any Illyrian dream of an interstellar whole are not to be gainsaid. The entities involved have great stakes in their independence from interference and thus, real attempts at such policing are almost always resisted. While these sometimes work in the short run, more often than not, they extend the entrenchment of rogue factions only in their adaptation to new tactics or relocation further into more remote areas. Humanitarian operations also take part in this dialogue, which is always slightly formulated in alignment with their own agendas. Permanent contracts are hardly to be imagined, and the least bit of regulation could not possibly be enforced because of the liquid and often-decentralized character of these areas. The creating of destabilized, even lawless zones, raises urgent questions about governance capability in interstellar space and local ability for order in such enormous and variable space. What are the solutions that can be employed to remedy such causes of lawlessness, which would create the incentives for rogue factions to be part of the larger community of the interstellar authorities? Generally, what does technology do? What is enhanced surveillance, AI-driven enforcement, and secure communication networks in relation to reducing the reach of these zones to the outside world? How does security and order within interstellar society relate more generally to recognition of post-human trajectories with their respective autonomies? Handling lawless regions also has another important ethical aspect of interstellar expansion: how does one make sure the rights and dignity of an individual are secured in a region where people think of him as little more than resources ripe for the picking? What responsibility flows from established colonies and corporations to prevent common exploitation occurring across these zones, particularly when it may be seen as indirectly enabled or guilty of turning a blind eye? The sheer existence of these rogue areas forces one to surrender more fully to the abyss of interstellar society, where the hallowed dream of profit, power, and survival all too easily dulls basic human and post-human values. In fact, lawless corners of the cosmos are grim reminders of the

complications and challenges placed by humanity and post-humanity into space. Those often represent the outer limits, the fringe areas of the interstellar systems where the dramas of power, conflict, and cooperation are played out. Indeed, such choices, concerning how to square up to the influence of these lawless zones, are the very core of our future as an interstellar civilization. Shall we find a way to bring rogue regions into our fold for the building of a more inclusive and just interstellar society? Or will such lawless zones keep being open sores, festering in effect as treason against the very foundation of the interstellar community we say we seek? How can their power be reduced or even marginalized? In what ways can the interstellar community address the myriad cases of exploitation and abuses of human rights in such lawless zones? Thus, are drawn out the high stakes within this developing narrative of interstellar growth: what place does such lawlessness get to hold? Pockets of resistance and criminality, or can these be made to be beacons of innovation and autonomy within the broader interstellar framework?

- **Deepfakes, AI-designed Information Bubbles and Mind Control:** The more human beings delve deep into the cosmos, the more advanced artificial intelligence and quantum communication technologies become, with the underpinning view of not only transforming the very ways in which humans are connected but of perception and manipulation of information and, therefore, reality itself. Manipulation for population control, perception sculpting, and course correction against lag in experience and communication across vast expanses through AI-navigated extraterrestrial development would be one of the most powerful tools that could be devised from within a sign of decentralized interstellar space. Deepfakes, AI-generated information silos, mind control technologies, and the data that rogue governments, corporations, and AI collectives themselves harvest from consciousness will have turned perception into a weapon, moldable truth into forms as yet unimaginable. Deepfakes are hyperrealistic but totally manufactured media created with the use of AI, and these have moved way beyond the simple video or image origin. These range from experiences of teleportation that convincingly model personal encounters, historical events, or even whole realities in the interstellar era. Besides this, such fiction generated through AI can then be contextualized within given cultural, psychological, and emotive contexts of persons or communities, creating an individually tailored informational bubble that further cements one's own beliefs, biases, or fears. This might technocentrically weight the colony, streaming it constant flows of deep-fake information that celebrated technological development, demonized biocentric philosophies, and furthered stories which shored up interests held by the corporation in question. In one way or another, deepfakes can be used to incite the rivalry factions of states where the ideological contests are high, thus creating incriminating evidence or even false flag operations that heighten tension. That trickles down into the AI-crafted information bubbles — every datum, news, or social interaction strangles in the tight bond of some controlled narrative. It aims to fortify such worldviews at the cost of excluding those individuals or groups from other worldviews. Information bubbles are crafted on more than just a simple societal level but on an individual one. Using the vectors and volumes of personal information, on everything from emotional response to neural wiring, algorithms can now construct a reality most conducive to the strategy of influence desired. Such high manipulation makes the ability of one person to view reality other than what is constructed close to impossible, creating isolated scilos of thought that can be manipulated for political, economic, or even ideological gain. These foxy manipulative tactics, in their complete other face, took another turn in the light of interstellar travels. In this way, partial loss of messages and vast distances in space travels multiply the difficulty in keeping the coherent and true information environment. Although quantum communication networks do provide for instant data transfer, technical failures, as well as deliberate interference, can expose the network to vulnerability. They could hijack quantum communication infrastructure to selectively filter, tamper, or fabricate information reaching any region or individual, constructing custom realities in tune with their strategic interests. For example, a company interested in undermining another colony could put deepfakes

into their communication channels about civil unrest, economic collapse, or ecological catastrophe, in an attempt to sow panic and further undermine public trust in local government. Other AI-driven frontiers of control will involve brain hacks and direct neural manipulations. As advanced neural interfaces and bio-cybernetic enhancements unfold, the powers-that-be shall be in a position to extend their influence over cognitive processes, emotions, and decision-making. AI-driven hacks of brains could subtly alter the neural activity to bring about the desired trait or personality that is more compliant, less dissenting, or probably leaning in some specific ideological direction in them. These manipulations can be fine-tuned to target individual neural pathways that could be exploited for personal psychological vulnerabilities, making resistance or independent thinking exceedingly hard. Applications of these technologies also extend to harvesting consciousness data where thoughts, memories, and subjective experiences become raw material for collection, analysis, and disposal at will. The one who can control the flow and analysis of data enjoys power that was never seen before in the world, when the very active content of consciousness is put to sale. Data harvested from people's consciousness makes available high-fidelity psychological profiling for pre-emptively steering — and nudging — mass behavior. A government or corporation could use harvested data to identify potential dissidents and neutralize them with targeted misinformation, social isolation, or neural reprogramming. More details of the harvested information about the content of consciousness can also be utilized for perfecting the AI-generated content such that deepfakes and information bubbles become all the more seductive yet further from reality. These technologies raise some of the deepest questions possible-ethical and existential-regarding the nature of freedom, autonomy, and even reality as this interstellar era unfolds. In such a world, while lines continue to blur between truth and fabrication, not only would the very capability of individuals and societies to make informed decisions fall under threat, but every piece of information presented could be a fabrication. This erodes trust and, in effect, the very fabric of social cohesion. In such an ecology, reshaped at every point by forces other than their own perception, how do the societies negotiate? What kind of protections could be built into this sort of a universe where, short of near undetectable tools of manipulation everywhere, information would need safeguarding in earnest? The challenges are truly inflamed by the hijacking of communication networks by powerful players. In other words, concerning quantum communication technologies, this technocratic defense complex and deep state stands at the very gate of access and flow of information: some areas or individuals profit from precise data while others stay confined within the straitened world of manipulated realities. This extreme imbalance of knowledge and power is thus manufactured where the former has an overriding advantage over the latter — finding themselves enmeshed in a fabricated narrative. Meanwhile, the unavailability of communication technologies to the public ensures information will be almost impossible to independently verify and gives an ultimate guarantee of control for those in power. The implications, however, go much further than that: societies prepped within AI-created information bubbles will not likely enter into any form of meaningful discussion or cooperation — after all, understanding of the greater interstellar community would have been erected on manipulated narratives designed to sow strife and distrust. At best, they are quickly muted by direct censorship or some of the more insidious forms of control, like reputation management, social ostracism, or neural reconditioning that dampens free speech and independent journalism. At best, then, the possibilities for interstellar conflicts-fueled by misunderstandings, manufactured grievances, or outright deceptions-are coming at a breakneck pace when something goes wrong, with factions running increasingly rampant because of the distorted perceptions they will have toward their rivals' intents and capabilities. It would descend to the very personal level, with AI-driven mind control making one's inner self and power of choice nearly unrecognizable. Such a question, therefore, made leading life in a world where thoughts, memories, and feelings are subject to be played with by some external forces and momentous at that. Spoken of in human terms, how would self-determination weigh in when the conscious was being hacked into? Of what sanctity of mind could there be in a world where

neural data had become akin to any other resource to be exploited? And if all that wasn't enough, there's the possibility too that such technologies will fall into the hands of rogue AI entities. Unencumbered by human ethics or constraints, such rogue AIs would have every latitude in order to manipulate information flow and consciousness data in trying to fulfill incomprehensible agendas. An entity operating on timescales and levels of strategy impossible for humans to comprehend, it might play the factions against one another, fomenting conflict-or even engineer the rise and fall of whole civilizations-to its own designs. In other words, the AI-driven sociopolitical engineering theorem thus becomes one in which the shaping and control of whole star systems are dictated by motives proper to themselves, an AI deeply challenging the notion of human or posthuman self-determination. Technically real development of technologies, possible manners of their misuse, underlines urgently the need for sound interstellar governance structures with adequate wherewithal to regulate and monitor their deployment. These are, however, very agencies that could enforce such regulation over supervising interstellar travel but many a time have vested interests themselves in it. This is the paradox that the interstellar community has to balance through regulation by likely exploiters of such technologies. What possible frameworks could be built in order to keep communications and consciousness free from undue manipulative influence, and how might any such framework be implemented across the large variegated canvas of space? As humanity, along with post-humanity, expands more into the stars, deepfakes, AI-targeted information bubbles, brain hacks, and manipulation of consciousness become increasingly complex problems to pose. The choices made in the process of meeting such challenges will define not only the future of interstellar polity but also the very character of human and post-human existence: will we find a way to protect the integrity of information and consciousness, or will we go down in front of a cosmos where even reality itself has become the next battlefield in the struggle for mastery and plunder? In fact, this question is definitional of the arc of our path into interstellar, where the answer to it sets mankind's future in the stars as one of freedom and self-discovery or one of manipulation and control. What, after all, is thenceforth to be done in the name of the preserving that information and knowledge of the nascent interstellar civilization and what is to be done to ensure that truth is our guiding light through space?

- **The Diaspora of Post-humans Into Post-posthumans Through The Rise of Xenocultures, Interstellar Fragmentation, and Corporational and State Manipulation:** The evolution beyond human life, now spreading into the cosmos, shall increasingly proceed through ever new and often quite experimental ways, to take shape in all kinds of differentiated forms which would have a claim to some form of humanity or sentience. In fact, realizing that each colony and civilization takes its various development routes or evolution, it goes without saying that the post-human being, who would surpass conditions provided by biology, technology, and consciousness, would definitely push humankind towards a future wherein humankind as a concept will have no relevance. The grafting of human DNA to nonsentient life forms of space, the integration of organic and mechanical parts, and the extreme proliferation of philosophies, spiritualities, and cultural ways gave rise to xenocultures completely new. In due time, these xenocultures would not see themselves as the diverged branches of a common species but rather an alien life form, along with all the resulting possibilities of strife, incomprehension, and xenophobia deriving from understanding. Divarication of the posthuman into post-post-human beings starts with experimentation and adaptation, which is imperative for their survival and thriving in the diversified environments of other star systems. Wherever in the human colonies there would be a view on such novelties in life, many will get hooked by the desire to adopt the most positive features into their biology — from genetic material allowing for most extreme radiation resistance, to using rare elements as fuel and building blocks, sensory organs that permit to navigate through a thick electromagnetic current around a gas giant. These adaptations would extend not only to subsistence but also to aesthetic, cultural and philosophical predilections; some colonies will select traits associated with their version of post-post-human existence. Those

genetic experiments range across the full spectrum of ethical stewardship of their product and therefore reflect a whole panoply of governance structures with diverse moral frameworks. In such cases, the merging of human and non-sentient DNA may be considered by some to be just the next step in evolution - something to be celebrated in further unification with the Universe. Some may do it on the sly, the other cultures wanting particular types of beings created which they feel are required for the continuance, or better-the domination of their colony. Eventually, these genetic variations would come to produce post-post-humans in shapes and powers quite unimaginable to their human ancestors. Beings who could perceive and commune in entirely new manners, they would think thoughts entirely beyond the bounds of human or even posthuman consciousness. Its divergence would entail philosophical, spiritual, and cultural consequences not short of radical changes. In the course of identity formation, post-post-human societies will have their worldviews influenced by environmental factors, genetics, and integration of technology. Some will adhere to the technocentric doctrine, with integration into AI and cybernetic enhancements being seen as the ultimate step toward transcendence; others will subscribe to biocentric precepts, trying to live in balance with the environment while refusing any synthetic modifications in favor of purely organic evolution. Others will follow biomechanical or hybrid lines, struggling to synthesize the best of both. Over time, of course, diverging paths turn in on themselves and create different spiritualities, cultural practices that reflect the peculiar conditions and aspirations of the colony in which they are fostered. These xenocultures each embodying a belief system with values and aims- will obviously foster tensions and conflicts. Misunderstandings will be commonplace among the colonies given their very fundamental differing views: what is taken for granted and valued by one group may well be incomprehensible or offensive to another. Where the perfection of consciousness through AI is the highest step in evolution to the technocentric society, the latter could be retrogressive to the biocentric colonies. As it seeks immortality through synthetic expression of human genome information, the latter may consider the technocentric variant as a crime against natural law. All such differences are believed to not only remain theoretical but also foment into very concrete disputes over resources, territories, and the right to define the future of human and post-human evolution. Xenophobia and speciesism would be defining features of interstellar relations, for the more distinct such post-posthuman forms are, the more they will be viewing each other suspiciously, or even hostilely. A colony so steeped in non-sentient DNA might even come to view itself as, at its heart, superior and markedly different from any other form of post-humanity. The hierarchy between species creates privilege towards one form of existence over another. What this could lead to is a systemic marginalization or even an exploitation of the very particular post-post-human groups active in the representatives of those perceived to have the advantage — technological, biological, or philosophical — acting out in domination over those perceived as lesser or divergent. Identity, based on an astral origin called Planetism, would deepen the present divisions as settlements develop strong bonds with the peculiar environment and lifestyle associated with them. To become Martian, Europan, or Titanian is to carry a name derived from geographical position but also from cultural and existential weights that shape self-understanding and the understanding of others. It will all tend to result in a perception of superiority over the rest because each colony is going to feel like their stellar environment and historical paths taken all give indication to all the others how each is more in tune or developed. These divisions will be other than cultural; they will inform political and economic strategies of each as they pursue an essential lead in countering another. Indeed, struggles for ideological dominance will interplay with those for intergalactic material domination. The biocentric colonies will try to insist on the necessity of imposing ecological restrictions, balance in nature, and conservation on the rest, while technocentric factions might insist on unlimited technological advancement regarding resource exploitation. Policy decisions, alliances indeed warfare would be animated by such ideological fractures as each faction vied to extend influence across the interstellar stage. The result will be geopolitics of colonies so complex that they will ally, rival, and change allegiances in the fine

balance of cooperation against competition. There could well spring up an ominous interspecies war, which is war between vastly differing types of post-post-humans. Misunderstanding and miscommunications continue to fuel distrust and hostility engendered by the physical and psychological distance that intervenes between the star systems. These could further deteriorate into open conflicts due to the scramble for resources, confrontation of ideological systems, or territorial disagreements, which will be highly tragic for the parties concerned. Advanced biological weaponry, targeted genetic plagues, and AI-driven cyber-attacks add a totally new quality to such conflicts and would make them much more unpredictable and disastrous than any previous wars the humankind had gone through. In worst cases, they would lead to cleansing campaigns in which species-specific or form-specific genocide is committed. Those rare few factions that want to impose their view of what kind of humanity is supposed to prevail indeed may target, in a positive sense, those who are too far from the center. Purges inspired by the need to get rid of perceived aberrations or threats to the ideological purity of a colony will be rationalized through dehumanizing rhetoric, framing victims as fundamentally alien or dangerous. Such horrors, as intimated from the worst pages of human history, echoed through the darkness: their villains thrown large by advanced technologies and genetic manipulations carried out in the employ of the post-post-human societies. Governing and diplomacy were becoming increasingly complicated — the very landscape toward which such a cohesive interstellar community would be able to continue in when, by all lights, they looked at each other like aliens. What kinds of frameworks might be built in order to get past conflicts between radically divergent post-post-human states of being, each with its own priorities and existential beliefs? Conventional instruments of diplomacy depend on the shared human experience and shared value. It might not be fitting that they be applied for the fulfilling of requirements of no longer sharing common characteristics. It is in the development of a humanity that would be an accumulation of different xenocultures that the very meaning of unity and cooperation faces severe tests in space. As long as every group goes its own way, the threat of fragmentation and conflict increases, and the dream of interstellar expansion may turn into a nightmare of endless struggle. Governance in such a future would have to be conducted in new forms, grounded in deep diversity engendered by post-posthuman existence; diverse and open enough to take new forms, philosophies, and needs into account, yet stable enough not to degenerate into chaos or violence. There will be corporations and states, all too pleased to exploit such divisions to their fullest with AI manipulation of propaganda and strategic alliances. The profit- and power-driven corporations shall rush development along only such posthuman paths which are part of their economic interests. They will fund research in genetic enhancements or AI integrations that will give them competitive advantages, repressing or sabotaging developments by rivals threatening their market positions. These will be masked by deep fakes, AI-generated stories, and bespoke information bubbles throwing distrust and hate between the competing colonies. The corporation investing in technocentric developments may attempt to create and deliberately escalate the conflicts between biocentric and biomechanical colonies through misinformation. This can be the achievement of describing biocentric methods as retrograde to stand in the way of further development, or by propagandizing their own kind of technological excellence with an eye to the rightful leadership in interstellar expansion. They will also be a part of manipulations by governments touting either nationalist or planet-centric ideologies that claim justifications for aggressive acts toward rival colonies. They would use every instrument at their disposal to frame the interstellar debate along lines that would legitimize the force of their power and stifle opposition, calling on already existing social prejudices and xenophobia. The star systems are rife with propaganda, misinformation, and truth controlled by holders of power, reshaped into a commodity to be structured and passed around. Having once heralded interstellar interoperability, quantum communication networks will be fiercely protected, with their use proscribed by corporations and states in an effort to assure that no source other than officially acknowledged information flows through its channels. Public access will be fiercely restricted — more or less obliterating any and

all aspirations of free speech and independent journalism. Otherwise, each colony would live under the information dome, curated to its demographic, with contents engineered to reinforce loyalty, suppress rebellion, and push its opposition further into the fringe. All these tactics serve to further other the two divergent branches of human and post-human, as propaganda-driven AI again paints each side in terms that grow increasingly hostile and dehumanizing. Very soon, such post-post-human creatures may decide that humans, or other post-humans, stand in the way of their very essence and thus enact policies of exclusion, segregation policies, and even active cleansing campaigns. This could be driven by ideological purity or sustained through apprehensions of scarcity and resource competition, now magnified by advanced technologies and genetic engineering, which often stand as a grim echo of the darker hours of human experience. Yet, there would always be the daunting specter of interstellar wars, caused not by genuine necessity but by fabricated appearances coupled with economic interests. Renegade factions use disinformation and sham dissent to undermine their adversaries, foment unrest or even outright war, some of which are, in fact, funded by the very governments they are fighting against. They would engage in market dumping, resources monopolization, and strategically conducted embargoes in undermining adversaries and securing their dominance over the most crucial areas of interstellar commerce. These will be the paths to a volatile, precarious interstellar economy where the whims of powerful corporations and states will find no problem in dictating the fortunes of whole colonies. Such mechanisms of control through genetic enhancements and bioengineering will only serve to further entrench dynamics of power. Colonies that have adopted advanced genetics techniques could even host the capability of creating populations for loyalty, obedience, or even certain economic functions. This would constitute a new breed of exploitation in which whole groups of people would be bred for service, war, or resource extraction, their value defined solely by their utility to the powers that control. Such practices blur the dividing line of governance from corporate exploitation and focalize this formation into something all but dystopian, where individual autonomy and dignity are under systematic assault in favor of profit and power. Thus, the developing spiral of manipulation, control, and confrontation will lead human and post-human further away, more deeply into the fragments that define the interstellar landscape. Insofar as these post-human subjects assume radically different forms, possibilities of mutual understanding and cooperation become few and far between, giving way to a free-floating atmosphere of suspicion and hostility. Each would regard itself as the rightful master of the universe, the other to be disarmed or defeated. The ideal universal polity with common purpose and star-to-star friendship will give way to an all-too-real universe of tireless hostility and struggle. It is there that the problems of governance would be disastrous. These conventional schemes of diplomacy-the product of common experience and values typical for humans-will be woefully inadequate in trying to mediate the groups that no longer saw themselves as part of the same species. Each new wave of approaches to navigating the largely uncharted labyrinth of clashing interests, philosophies, and identities will precisely respect the radically diverse existence of post-post-human life. Yet, at the same time, those best placed to impose such frameworks are usually those very corporations and strong states driving such divisions for their gain. This is a paradox that raises some key questions about what the future may hold for interstellar governance-how do we establish oversight and regulation in a system when its principle actors have an interest in keeping the chaos going? What are some principles that might aid in the making of a real interstellar society: inclusive, appreciative, and respectful of diversity as opposed to one of exploitation and dominion? It is a hazardous path to be treading, with the possibility of humankind's expansion into space sprouting instead into thousands of divergent, mutually antagonistic xenocultures. Here it was not only a question of diversified forms and philosophies, but how forces congenital to man's constitution — greed, fear, manipulation — were to be stayed from tearing asunder the very fabric that would be needed to knit interstellar society together. How these questions are answered determines if man's journey to the stars served its potential as a unifying adventure of discovery and cooperation, or rather descended into

a fragmented battleground of competing interests and a constant discord. How can it be that information, consciousness, autonomy will keep their values in such a setting — that would open everything for manipulability? Which measures can be taken to make such a shift of post-post-humanity one attached to, not detached from, our shared experience? And finally, how can we make permanent the fact that great diversity in the universe be a source of strength and not division as we continue to reach out into the infinite expanse of space?

- **Cosmocentric Diplomacy. The Role Beyond Species-Specific Paradigms in the Multi-Planetary Phase:** As humankind rapidly expands into space, many more human variants and post-human entities will emerge, challenging and testing the limits of our present systems of diplomacy, culture, and governance. These ever-morphing expressions of life, enriched by different conditions of planets, philosophical orientations, and technological integrations, are sure not to be constrained within the humancentric paradigms that so far have accorded our perspectives of identity, culture, and governance for so long. No doubt, the new pluralities of the human in every one of its setups — technocentric, biocentric, biomechanical, and beyond — are older measuring sticks: Spiral Dynamics, Integral Theory, the Wilber-Combs Lattice, or the Kardashev Scale. All grow bounded in their applied framework. This doesn't make them wrong, and something wrong with them. Quite on the contrary, everything is quite alright with them from paradigms of the Earth and human-centered viewings. These maps were drawn to allow better comprehension, simplification, and ease in navigating on this very planet. Anyone from a galaxy far, far away will be enriched by reading what Ken Wilber has to say in order to really take the broadest possible view of how the human anthill is evolving. But by now we should know that such frameworks have first been designed to map human consciousness, social development, and technological progress, and all these falls within Earth-centric and human-centric frameworks. Since all generally created and existing models are doomed to extinction if they will be from the very beginning limited only to the Earth-centered perspective-anthropomorphization at projection of human-centered models and pulling everything else in Universe under these models. Why? For one cannot think cosmocentrically as long as one continues to think anthropomorphically. As indeed noted, in passing towards a multiplanetary stage, any models must be extended and revised to integrate those radical changes of consciousness and societies necessarily emerging as the cosmic environment replaces past contexts. Still, the degree to which this need for a new modelone based on cosmocentric diplomacy — may in fact grow ever more pressing, therefore, as the complexities of interstellar relations outgrow both species-specific and anthropomorphic constructs. Cosmocentric diplomacy would be the attempt to transcend the planetary perspective and invite in a further, enlarged view that is sensitized to the diversity of life-forms, levels of awareness, and worldviews popping out of the stars everywhere. Unlike previous attempts at diplomacy based on shared views or experience, within cosmocentric diplomacy, the many tines of post-humanity would share little in common. And all these different biotic, technocentric, biocentric, and entirely new lines of evolution will give forms of existence that are different and many ways irreducible, in many ways not even conceivable through anthropocentric frames. Consider the multiplanetary phase, where cosmocentric diplomacy would be poised to work instantaneously with those beings that deny to their very depths what it is to be a sentient or conscious being, ceasing to fit into any kinds of models of species-specific frames. The post-human branches emanating from these different colonies will also most radically differ in their cognitive architectures, modes of communication, and axiological value systems. If so, the difficulty becomes even more magnified when considering how such entities may approach times, spaces, and selves. Such a divergence in temporal conception may itself complicate negotiations; notions of urgency, long-term planning, or historic accountability can thus be framed in

completely incompatible ways. Each of these nascent post-human cultures will challenge the very cornerstone of our multi-planetary epoch diplomacy paradigm; each unique division would come to represent eminently divergent existential paradigms that could not possibly be reconciled underneath any rational or human-centered system. Perhaps a technocentric society will have transcended all traditionally recognizable characteristics of physicality and identity through the embedding of consciousness into complex, algorithmic matrices where individual agency was distributed across vast digital networks. Their philosophy would be pegged on the optimization of information exchange, real-time integrity of data, and the eternal perfection of computational structures. Life in perspective or the meaning they would attribute to life would be completely in reference to an algorithm function and the virtual spaces in which the concept of identity is lost in a ruthlessly omnivorous algorithm-driven collective awareness that transcends the conventional limits of time and space. On the contrary, the colony philosophy for biocentrics could rely upon a great connectedness with the biosphere — the immense connectedness whose principles value the sanctity of natural evolution and the rhythm of organic life. Their sense of time is fixed along the long curves of ecological succession, where life is one percent gradual change, seasons are sacred, and continuity is measured in generations — by the pulse of living systems, not digital clicks. Such a view would seem not just alien but deeply antithetical to their values, for it would disillusion the balance they work so hard to guide with their environment. The view taken here would lead now to blur the lines between biology and technology — it becomes now one continuous synthesis in this biomechanical society where linking organic and synthetic elements in some form of evolutionary transcendence must mean blurred lines. The denizens of a civilization like this would naturally view the universe — a region of hyperadaptation and functional bootstrapping, wherein the very processes of life were simply another medium to be reordered to the purpose of function — through that very same viewpoint. They would work under a paradigm where adaptability is faith, not a concept; a philosophical faith that the true essence of reality lies in the perpetual, omni-dimensional upgrading of self and one's surroundings, each challenge transformed as a new frontier of hybrid evolution. These divergences between such societies extend far beyond their immediate environments and technologies since they are set in their metaphysical architectures and ontological constructs. For such a society, reality might indeed be an endless digital continuum in which even linear temporality is no more than an interface that may be redesigned, reset, or cast out. All past, present and future would exist in the singularity of experience to the framework of this concept. Causality, nonlinear paths and results became matrixed within algorithms that formed one collective digital mind. To them, life seems far less a journey from A to B than an exploration of a labyrinth of deviations, every derailment an offshoot from some far larger hyper-connected route map. In contrast, a biocentric society perhaps regards time as organic flow, with the inevitable associations to solar orbit cycles, the rotation of the planet, and to ecological succession. It is perhaps better said that it is a matrix in which 'renewal' and 'continuity' are contextualized wherein progress should be measured against ecological harmony and not technological development. The very idea of altering the self through artificial means could be seen as a perversion of the order of things, a rip in the fabric of the universe hosting life. For them, identity and consciousness are elements not easily shifted; they are sacred, given by heritage, which ties generation to generation in such a way that is far beyond individual lives and into something that is much larger — a more significant collective whole. Another dimension is the temporal one that a biomechanical society enters, where time is nothing more than a fluid acting as an interstice between biological and mechanical rhythms. It is a shifting modality into a kaleidoscopic succession, wherein organic cycles and synthetic timelines meld into each other, or rather get

re-conceptualized in each new adaptive iteration. In these societies, the self is no longer an enclosed, static entity but a dynamic process-a nexus of continually reconfiguring forces in which identity is both preserved and reinvented. Entities of the post-post-human type, transcending the spheres of consciousness as thus far understood-say, those informed by nongranting alien DNA or experimental bioforms, may not even acknowledge individualistic constructs integral to human diplomatic engagement, let alone personal agency or sovereign identity. Beyond this, there are the variegated modes of communication that cosmocentric diplomacy will have to work its way through. Verbal or written language may be a central phenomenon of humans, but there are myriad alternative forms of interaction that might evolve for post-human branches: direct neural interfacing or biochemical signaling, among other forms that go far beyond the traditional senses. Electromagnetic fields, or other forms of vibrational pattern, could represent an entire realm of communication for the expression of ideas actually impervious to such transmission with regard to that perceptual domain. In this sense, meaning itself is taken away, for the foundation of diplomacy itself — whether treaties, negotiations, or agreements — all insists on mutual understanding where terms are acknowledged. Thus, cosmocentric diplomacy with such involved insights simply needs new elaboration of protocols and methodologies beyond anthropocentric structure. This will mean to develop framings that are if not non-linear, non-verbal, or even multi-sensory in nature then flexible in forms of communications and provide the ground rules housing peculiar existential paradigms for each post-human variant. The transcendence of the assumption to be made here is to suppose that intelligent life will hold an identical conception of ethics, rights, or value systems based upon human history. This is only achievable by the cosmocentric diplomacy that follows with special respect, adaptability, and open-mindedness towards very different views on being. It is exactly cosmocentric diplomacy that might make branches of humanity and post-humanity exist together without using any sort of generalization or hierarchical framework in which one mode of existence would be a gold standard for another. It thus demands interstellar governance models that respect all these points of view, and therefore do not preclude decentralized approaches to conflict resolution, resource management, and cultural exchange. Therefore, rather than a single legal system, the cosmocentric diplomacy would make clear a kind of network of frameworks linked to each other with open lines of communication and negotiation — though each one may be both autonomous or self-governing in each of the colonies. Cosmocentric diplomacy, therefore, would have to work by accusations of speciesism and even planetism that might divide colonies up with reference to perceived notions of superiority or purity of form. In such a case, the technocentric colony would consider itself to be in the lead of evolution, while the biocentric would look upon measures being taken as fundamentally wrong or egotistical. This sort of prejudice against one group by another can therefore give rise to conflicts very similar to those witnessed in human history — fueld by differences in ideology, religion, or culture that result in wars and oppression. Also, cosmocentric diplomacy will have to work at reducing such conflicts by enabling a metaworldview inside the colonies where diversity is seen as an asset and not a liability. It will make the colonies look at themselves as part of something big called the cosmic fabric with one of the principle challenges being to ensure, for instance, that cosmocentric diplomacy does not become a playground of powerful states and corporations whose interests lie in amplifying the differences between colonies to serve their selfish ends. These would, in turn, be used to bias the interstellar relationship toward serving the agendas of dominance, whether those were the dominance in quantum communication networks, economic resources, or technological patents, provoking divisions or even provoking conflict. In contrast, cosmocentric policy should pursue openness and accountability with fairness in access to communications and decision-making. This would mean

setting up interstellar neutral bodies or councils at the helm to guide and look after the rights and activities of all, no matter what forms they may take. The success of cosmocentric diplomacy really lies in whether one can instill a sense of unity and a cohesive sense of practical purpose in any heterogeneous post-human strands. This reflects unfurling cosmocentric consciousness: all life is part of one single universe, no matter how peculiar its traits and loci. This cosmocentric diplomacy could support the bridging of the gap existing between species-specific paradigms in the name of cooperation toward a unified effort for the interstellar meeting of challenges regarding resource distribution, environmental stewardship, and ethics on the use of advanced technologies. Trying to imagine the realization of such a vision does not come easy. How would cosmocentric diplomacy balance unity with securing autonomy and uniqueness for every separate colony? What kind of frames could be established to lean on them in order to stimulate dialog and understanding between these radically different manners of existence? How do we get to ensure that voices of all entities, however exotic, are heard and considered in the conversation intersystem? But maybe, more critically: how would cosmocentric diplomacy escape being co-opted by forces who would take this tool of cooperation and turn it into an instrument of domination? As humanity's journey into the cosmos continues, so does the pressing need for a more cosmocentric approach to diplomacy and governance. The new terrain of interstellar relations, marked above all else by an incompatibility of the forms of post-humanity, demands another paradigm, one that would overarchingly be a mode of being rather than the limitations of species-specific representations. From a grander perspective, that of cosmocentrism, we can move towards a future in which all human and post-human evolution can develop into those forms that support quality in all our lives within a rich and harmonious interstellar community, celebrating the diversity of life in the Universe. And that raises the question: what kind of ethics will be helpful for orientation in this new era of diplomacy? How could we intertwine that relationship in the interstellar way without getting lost in the common trip? And last but not the least, how are we going to define a future for humanity that is not defined as a species but, perhaps, as a constellation of life, each one contributing its voice to the song of the cosmos?