

Joseph Firmage

# JOSEPH P. FIRMAGE

Founder · Chairman · Chief Scientist — Academy of Science and Arts

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## CAREER OVERVIEW

Joseph P. Firmage is widely recognized as a leading scientist and technology pioneer for nearly four decades. He serves as Founder, Chairman, and Chief Scientist of the newly assembled, industry ecosystem-shaping enterprise, the Academy of Science and Arts.

After 28 years and approximately \$40 million in cumulative research and development, the Academy has been formally established through the unification of prior theoretical and experimental programs.

Over the last six months, Mr. Firmage has opened and articulated the full scope of the Academy's scientific achievements, already evidenced in more than 100 published scientific and technical papers (many proprietary), having reached hundreds of thousands of professional readers.

The Academy is now positioned to initiate \$7–9 figure intellectual property licensing and co-development contracts, beginning in Q2 2026 for its ORIGAMI Virtual Matter Generator, and in Q4 2026 for its Energy Tap Generator and Acceleromotor propellantless propulsion engine.

Each of these platforms represents a multi-trillion-dollar opportunity for global economic expansion between 2026 and 2040. Firmage expects the Academy to achieve profitability by Q4 2026, with plans—market conditions permitting—for an initial public offering in early 2027.

## CAREER HISTORY

Joseph Firmage is a cross-disciplinary scientist, macro-economic strategist, technology industry pioneer, philanthropist, and a highly respected author and lecturer on the future of humanity and our world.

He has led the raising of over \$400 million in capital and returned a net of over \$4 billion to capital investors over his 35-year career.

Virtually all of his earnings have been reinvested into the companies and projects now consolidated into the Academy, positioned to reveal remarkable new technologies beginning in 2026 and onward.

Joseph is considered a father of several technological revolutions, including coining the term “App” and leading the formation of USWeb/CKS.

He and his global teams served over 50% of the Fortune 100 and collaborated with Microsoft, Intel, Cisco, and others to establish SaaS.

For the past 20 years, he has led propulsion and physics research enabling interplanetary and interstellar travel.

Joseph has provided briefings and strategic advice to U.S. government agencies and industry leadership.

His mission is to catalyze and help lead a New Renaissance for Humanity.

## **ADVANCED PHYSICS**

1998–Present — Science Invents → Academy of Science and Arts

ASA serves as an umbrella for advanced R&D; in propulsion, energy generation, materials science, and next-generation Internet systems.

(1) International Space Sciences Organization (1998–2001)

(2) California Institute for Physics & Astrophysics (1999–2001)

(3) Los Gatos Materials Sciences Laboratory (1999–2000)

(4) Motion Physics (2001–Present)

## **INTERNET APPLICATION SYSTEMS & TOOLS**

1989–1993 — Founder, CEO, CTO · Serius Corporation

1993–1995 — VP Strategic Planning · Novell

1995–1998 — Co-Founder & CEO · USWeb Corporation

1998–2001 — Co-Founder · Intend Change Group

2001–Present — Founder & Chairman · ManyOne

## **PUBLICATIONS, MEDIA & FILM**

Appearances include PBS, BBC Hardtalk, CNN, NBC Dateline, Forbes, USA Today, CNET, Business 2.0.

Major Works: The Truth; Revolutions in Physics; Evolving Economics; The Secret; 2050.

Co-Executive Producer: COSMOS Millennium Edition.

## **PHILANTHROPY**

Carl Sagan Foundation — \$1M

Integral Institute — \$1M

Arlington Institute — \$1.25M

Dalai Lama Foundation — \$250K

State of the World Forum — \$1M

## **AWARDS**

Integrity in Physics Award — 2009

Ernst & Young Entrepreneur of the Year — 1998

C.N. Yang Physics Scholar — University of Utah

## OTHER INTERESTS

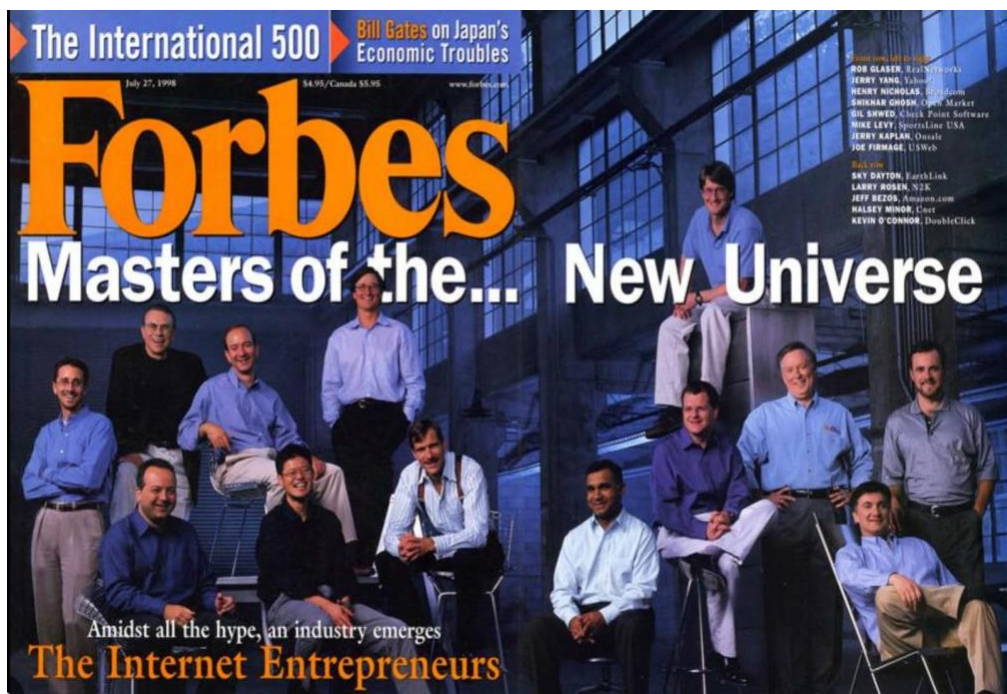
Leadership, engineering, filmmaking, SCUBA diving, boating, hiking, family

## EARLY YEARS & FOUNDATION

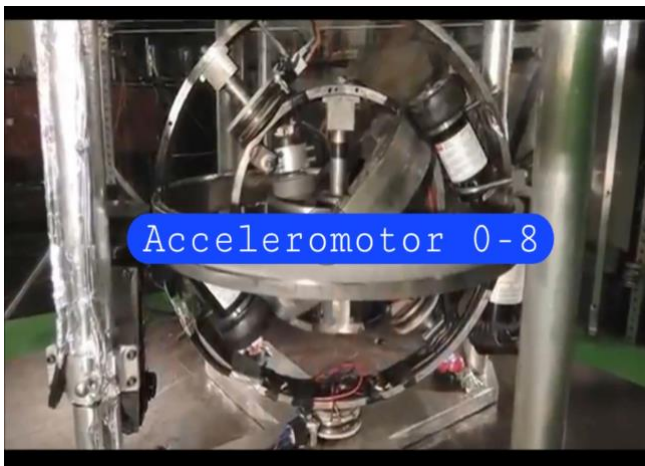
Olympus High School (AP Chemistry, Computer Science)

University of Utah — Physics, Astronomy, Mathematics, Bioethics

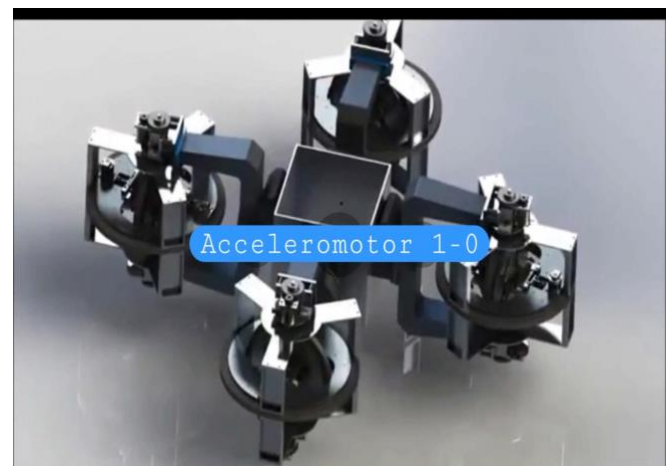
Member: Salt Lake Astronomical Society



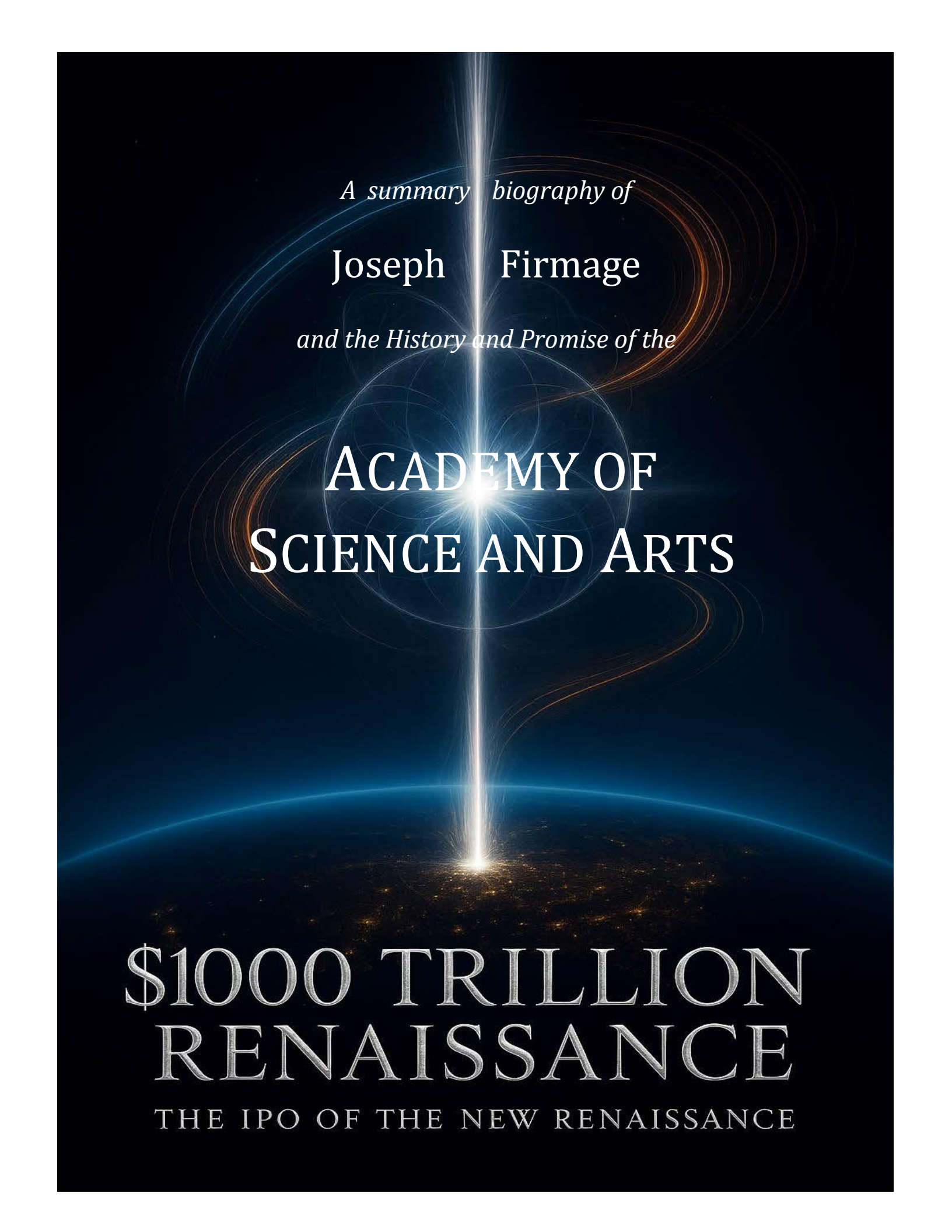
1998



2012



2026



*A summary biography of*  
**Joseph Firmage**  
*and the History and Promise of the*

**ACADEMY OF  
SCIENCE AND ARTS**

**\$1000 TRILLION  
RENAISSANCE**

**THE IPO OF THE NEW RENAISSANCE**



*From the desk of*  
**Joseph P. Firmage**

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Academy of Science and Arts  
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## **Expanded Biography — Historical Continuum**

### **Early Life and Family Foundations**

Joseph Firmage was born into a family that valued curiosity, intellect, and compassion. His father, Edwin Brown Firmage Sr., Samuel Thurman Chair of Constitutional Law, was a scholar, politician, activist and influential figure in the Church of Jesus Christ of Latter Day Saints. Ed Sr. was a figure of intellectual rigor and civic engagement, whose career and character are preserved in historical archives such as the University of Utah's Marriott Library. His mother, Gloria Ruth Paramore, held degrees in geology and psychology. She was the scientist in the family — a keen observer of both the Earth's deep history and the intricacies of the human mind — and an ideal mother whose love and wisdom shaped every aspect of Joseph's upbringing. Together, they created a home where inquiry was encouraged, books were treasured, and ideas flowed freely.

Growing up as a curious, middle-class child in such an environment, Joseph was encouraged not just to learn, but to explore — to take apart radios, peer through telescopes, and ponder the mysteries of the world. Science and philosophy shared equal footing at the dinner table, fostering an early belief that understanding the universe was both a noble pursuit and a personal responsibility. This upbringing would become the bedrock of a life dedicated to innovation, bold thinking, and the pursuit of truth in both science and society. His first original software project for any graphical personal computer was the Celestial Projection Portal, a groundbreaking application he conceived as both an astronomer and

technologist. Developed in the formative years of graphical user interfaces, it transformed raw astronomical coordinate data into immersive, real-time star maps, allowing users to navigate the cosmos with unprecedented ease. Decades ahead of mainstream planetarium programs, the Portal seamlessly combined ephemeris computations with dynamic visual rendering, projecting the night sky from any location on Earth. Yet this innovation was never released; the sole copy was lost with the machine on which it was created, and the ground it broke went silent—an early but telling example of how far ahead of its time his visions often were.

### **The Genesis of ObjecTalk — Circa 1990**

The roots of Joseph Firmage's AI trajectory can be traced to around 1990 with the inception of the ObjecTalk Project. Envisioned as a natural language programming system, ObjecTalk allowed developers to describe software behavior in imperfect human language, with the system intelligently mapping these expressions to formal syntax. This innovation prefigured modern generative AI approaches by more than three decades, focusing on bridging the gap between human intent and machine execution.

Developed in the early days of component-based software engineering, ObjecTalk was not merely a tool — it was an architectural philosophy. It anticipated the later rise of low-code/no-code paradigms and directly informed the design principles that would guide the Serius platform and Novell AppWare. Its cross-platform capabilities, demonstrated as early as 1992, allowed developers to compile applications on a Mac, transfer them to Windows, and recompile without rewriting the logic — a feat that underscored its groundbreaking nature.

### **The Serius Corporation Era and the AppWare Revolution**

In the late 1980s and early 1990s, Joseph Firmage emerged as a visionary at the convergence of graphical computing and natural language programming. As the driving force behind Serius Corporation, he led the company to become a pioneer in component-based software development tools. Under his leadership, Serius attracted both engineering talent and industry attention, culminating in a \$24 million acquisition by Novell in 1993. This was not merely an acquisition — it was a strategic bet by a major networking company on a radically different future for software development.

After the acquisition, the Serius platform was rebranded and launched as Novell AppWare, marking a significant moment in cross-platform application development. AppWare allowed programmers to visually assemble applications from reusable components and bind them with natural language-like instructions, long before 'low-code' or 'no-code' became industry buzzwords. This leap forward democratized the ability to build software, empowering a broader class of developers and enterprise teams.

## The DARPA Connection and Military Applications

During this period, Joseph licensed the AppWare source code to Intermetrics, a DARPA general contractor, leading to its adoption in critical U.S. Navy systems. This included the RangeWare platform, designed for mission planning and execution in high-stakes environments. The Carnegie Mellon University decadal review later noted this as an early example of leveraging civilian software innovations for advanced military applications — a testament to the platform’s adaptability and reliability.

## The USWeb Era — Scaling the Internet Services Industry

In 1995, Joseph Firmage co-founded USWeb, which rapidly became one of the world’s first and largest Internet professional services firms. The company provided web strategy, design, development, and integration for major corporations at a time when the World Wide Web was just emerging as a transformative commercial medium. Under his leadership, USWeb pioneered large-scale digital project delivery, setting benchmarks for speed, quality, and strategic alignment between technology and business goals.

Joseph’s strategic vision and ability to assemble top-tier talent led to rapid growth. USWeb went public in 1997, becoming one of the most visible symbols of the dot-com era’s potential. By combining web engineering expertise with high-level corporate strategy, USWeb positioned itself as a trusted partner for Fortune 500 companies navigating the new online economy.

## The Merger with CKS — USWeb/CKS

In 1998, USWeb merged with CKS Group, a leading Silicon Valley brand strategy and marketing firm. The merger created USWeb/CKS, a powerhouse that blended technical implementation capabilities with world-class branding and marketing strategy. This integration allowed the company to offer end-to-end digital transformation services, from conceptual branding through to enterprise-scale deployment.

USWeb/CKS became an emblem of the Internet economy’s new corporate model — multidisciplinary, innovation-driven, and capable of executing complex, global programs. Joseph served as co-founder and CEO of USWeb/CKS, guiding the firm through its rapid growth and transformative merger. In late 1998, he made the difficult decision to pass the baton of leadership in order to protect shareholders from the intense scrutiny and potential market repercussions following his sudden public broadcast of The Truth. This leadership transition was both an act of stewardship and a turning point, marking the close of his chapter in one of the Internet era’s most iconic companies and the beginning of a bold new personal mission.

By the time Joseph left USWeb/CKS in 1998, the company had become one of the most recognized names in the Internet services sector. Its meteoric rise was not only a testament to market timing but also to Joseph’s skill in envisioning and architecting organizations that could lead in times of technological upheaval.

## The Credibility Football and UFO Disclosure

In 1998, at the height of his influence in Silicon Valley, Joseph made a decision that would permanently alter his public trajectory — what he calls the 'credibility football' moment. He stepped forward to publicly discuss his research into unidentified flying objects and advanced propulsion, placing full-page ads in *The New York Times* and *The Wall Street Journal* to urge transparency. At the time, such an act was considered career-ending in the mainstream tech world. Yet, in the decades since, the UFO disclosure movement has shifted dramatically, with official Pentagon programs and congressional hearings now validating many of the core premises that were ridiculed in the late 1990s. History has, in many respects, caught up to that risk.

## The Intend Change Companies and Technology Ecosystem Building

Following the AppWare years, Joseph embarked on a multi-decade sequence of entrepreneurial and scientific ventures. This included the creation of Intend Change, a holding structure for a series of companies aimed at reimagining sectors as diverse as e-commerce logistics, retirement planning modernization, and global content platforms. Through these ventures, Joseph applied a systems-thinking approach to both technology and economics, seeking not just market opportunity but structural transformation.

Emerging from his OneCosmos vision—a web structured as a trustworthy, navigable commons—Firmage conceived and architected the Digital Universe, a federation of expert-led portals designed to make high-quality knowledge both authoritative and accessible. The model blended open, web-native infrastructure with editorial councils, versioning, and accountable authorship, aiming to bring peer-review-like rigor to public information without sacrificing reach or usability.

At the core of this effort was a portal architecture that organized topics into stable, machine-readable taxonomies, supported by clear governance: subject editors curated contributions; named authorship ensured accountability; and each entry was designed for citation, revision history, and long-term stewardship. The result was a public-interest publishing framework that could scale across disciplines while remaining neutral and standards-driven.

Earth Portal / Encyclopedia of Earth. Focused on environmental science, climate, ecology, energy, and policy, this portal centered on the Encyclopedia of Earth, a curated reference written and reviewed by scholars and practitioners. Its purpose was to give students, journalists, and decision-makers a reliable, citable foundation for topics that were otherwise fragmented across the web.

Cosmos Portal. Built to serve astronomy and cosmology, this portal organized knowledge from observatories and space missions into context-rich entries—linking phenomena, datasets, timelines, and educational resources—so that learners could move seamlessly from fundamentals to frontier results.

Health Portal. Oriented around evidence-based, medically reviewed guidance, this portal separated lay summaries from professional references, preserving clinical integrity while meeting the needs of patients, families, educators, and community health programs.

In parallel with these portal initiatives, Firmage collaborated with Ann Druyan, co-creator of Cosmos, serving as Co-Executive Producer for the global DVD release in 2000 of Carl Sagan's landmark series. He also provided funding to Cosmos Studios, supporting the production of its acclaimed broadcast science history and events—continuing Sagan's mission to expand public understanding of the universe.

Together, these efforts demonstrated a practical path from OneCosmos—as an organizing principle for the web—to a working ecosystem for expert-verified public knowledge. The work anticipated today's demand for provenance, transparency, and semantic structure online, and foreshadowed later initiatives in Firmage's career that combine rigorous governance with human-centered design at societal scale.

### **Trials, Recovery, and Commitment**

From November 16, 2023 to July 4th, 2025, Firmage was detained for 20 months on principal charges that were ultimately dropped, following FBI confirmation that he had been a victim—not a perpetrator—in the domestic situation for which he was arrested. This period marked one of the most challenging chapters of his life, yet it became a crucible for personal clarity and renewed conviction.

The road leading to that moment had been shaped by decades of unrelenting work to advance urgent, noble ventures—spanning physics, economic reform, and technological innovation—while securing the financing to bring them into being. This pursuit unfolded against a backdrop of global and economic upheavals: the aftermath of the .COM boom and bust (which he had predicted), the shock of 9/11 (which no one in his circle foresaw), and three Great Recessions that each collided with critical launch windows for his projects.

In the face of such pressures, Firmage at times turned to alcohol and cocaine as a means of self-medication. These habits, while never defining his work, became a destructive undercurrent that trended out of control more than once. Recognizing the danger, he sought and completed months of intensive treatment, graduating in October, 2020.

Today, Firmage lives in full commitment to the principles of his faith—especially the Word of Wisdom counsel of his Church—aligning personal conduct with the same integrity and vision he brings to his work. This chapter stands as a testament to resilience, accountability, and the belief that the most important victories are those won within.

## **From ISSO to *the Academy of Science and Arts* — A Physics Odyssey**

The fallout from this public stand on UFOs redirected Joseph's life into deep scientific inquiry. Beginning with the founding of the International Space Sciences Organization (ISSO) and CalPhysics.org, he began assembling a network of physicists, engineers, and theorists willing to push beyond the margins of accepted models. This effort evolved into Motion Sciences, Motion Physics, and Science Invents, each iteration refining the theoretical and experimental program.

At the heart of this scientific work lay a profound exploration into the geometry of atomic structure — specifically, the Geometric Atom Model, which correlates nested Platonic solids to the observed 'magic numbers' of nuclear stability. This model also pointed toward potential unifications in nuclear physics, spectroscopy, and cosmology. These investigations converged into the Academy of Science and Arts enterprise, envisioned as an umbrella company — akin to Firmage's own version of Alphabet — bringing together diverse breakthrough initiatives in physics, technology, and economics under a single strategic framework.

## **Previewing the Opportunities for a New Society**

The confluence of advanced physics, intelligent systems, and a redesigned economic framework points to a future in which scarcity-driven limits give way to abundance-oriented design. The breakthroughs now visible on the horizon suggest not just incremental improvements to existing industries, but the emergence of entirely new classes of capability.

### **Free Energy.**

Refinements in our understanding of the quantum vacuum, magnetoelectric coupling, and high-efficiency conversion systems are laying the groundwork for clean, inexhaustible energy sources. Devices that draw directly on the fundamental fields of nature—operating without combustion or waste—would redefine transportation, manufacturing, habitation, and computation. Energy would cease to be a limiting factor, unlocking the possibility of resilient, self-sustaining communities anywhere on Earth and beyond.

### **Femto-Scale Materials Science.**

By mapping the precise geometric arrangement of protons and neutrons within atomic nuclei—and understanding how those geometries influence electronic behavior—we will gain the ability to design materials from first principles. This could open the door to a library of new substances, each engineered for a specific combination of strength, conductivity, optical properties, and environmental resilience. Such mastery would enable the creation of materials and composites beyond anything naturally occurring, revolutionizing aerospace, energy storage, medicine, and infrastructure.

## Gravity and Inertia Control.

Advances in geometric field theory and magnetoelectric propulsion suggest the possibility of inertial propeller systems—engines that accelerate without expelling propellant, pushing instead against the structure of spacetime itself. Extending these concepts, gravitational lensing technologies could produce local “gravity architecture,” enabling craft to accelerate without effective limits while maintaining inertial safety for occupants. Such systems would allow for force-field shielding, floating cities, and ultimately starships—directly evoking the designs once imagined in Star Trek, but now grounded in experimentally testable physics.

The social and economic consequences of these developments are profound. Energy, transportation, construction, and computing could be decoupled from resource depletion. Entire planetary-scale infrastructure could shift toward systems that are regenerative, modular, and self-repairing. The opportunity is not simply to extend human reach—it is to create a civilization whose physical foundation is aligned with the long-term flourishing of life.



# THE ACCELEROMOTOR

2.5 ft Cube, ~200lbs as a unit engine

Protected by a Lexan ballistic-proof shield

~70lbs of **active matter** the **first triaxial gyro** system

Industrial weight scale 1/2000th of a second

4 load cells

Laser beams on 3 axes projected

Precision RPM telemetry built in to speed controllers

2012 Results:  
>200lbs upthrust  
peaks, no bounceback!

*The 8th generation of Firmage's "Inertial Propeller" -- called the Acceleromotor, as its Principal of Action rests on the now-proven fact that by powering high speed gyros forcing them to precess, the acceleration detection capabilities of an Accelerometer inverts into causing propellantless, inertial propulsion. Ready for industrial-grade manufacturing for any land, air, sea or space craft.*

## JOSEPH FIRIMAGE

### Imagination

Firmage envisioned a cosmos saturated in the flux of energy, an invisible sea of potential from which matter and mind emerge. Imagination itself, he mused, might be the highest form of intelligence probing the structure of reality.

### Impact

Through the discovery of the missing symmetry in physics—**Reciprocal Induction**—he gave physical meaning to Nature's constants and exposed the underlying structure and operation of atoms, completing a foundational arc of modern physics.