



October 2009

Call for papers
on the theme:

SPACE COMMERCE

Transforming the Promise into Reality

A new book to be published jointly by

Aerospace Technology Working Group
www.atwg.org

and

International Space University
www.isunet.edu

and

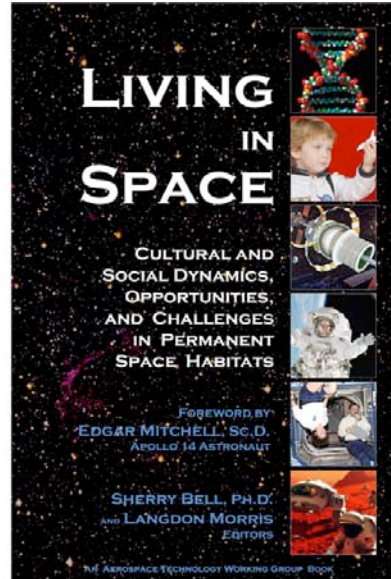
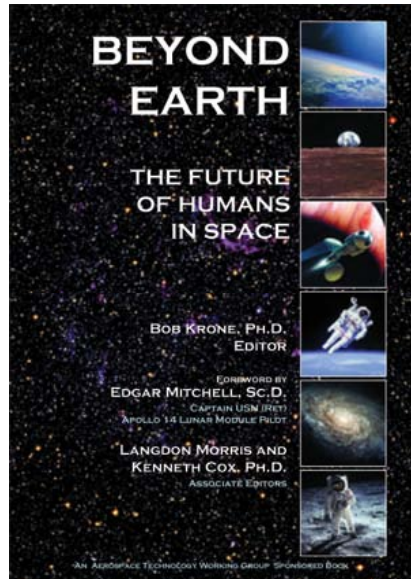
International Institute of Space Commerce
www.iisc.im

All interested individuals and teams are invited to submit chapters for inclusion in this book, now in preparation.

Original ideas and concepts are welcomed and encouraged for this volume.

All submissions will be peer-reviewed and, if included, are subject to editing in collaboration with the ATWG editorial team.

Space Commerce: Transforming the Promise into Reality will be the third volume in the AWTG Publication Series, following on the success of our first and second books:



- ***Beyond Earth: The Future of Humans in Space*** (Apogee Press 2006)
Beyond Earth was recognized as “One of the best space books of 2006,” by *Universe Today*.
- ***Living in Space: Cultural and Social Dynamics, Opportunities, and Challenges in Permanent Space Habitats*** (ATWG, 2009).

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Sample Topics for this Book

Space Commerce is of course a critical aspect of living in space, and hence it is a suitable follow up to the second volume. It is a topic of significant breadth, and we seek chapters that address a wide range of topics across the entire spectrum of possible themes. Many scholars anticipate that space commerce will one day become a market of unrivaled size and scope, and we intend to address this vast potential in this volume.

The following sample topics are offered to stimulate your own creative thoughts:

Biotechnology – Scientific research, medical research, treatment and drug discovery, drug development, drug production

Communication – Terrestrial, space,

Earth Protection and threat mitigation

Earth Science – Commercial applications of Earth science, climate change,

Energy – Energy production, storage, and distribution and related technologies,

Entrepreneurship – New business opportunities, entrepreneurship models,

Infrastructure – Launch, reentry, emergency preparedness,

Manufacturing – Orbital, lunar, Lagrangian, planetary, robotic, manned

Military – Militarization of space

Operations – Management, financing, economics,

Opportunities Survey – Low Earth Orbit (LEO), High Earth Orbit (HEO), Lunar Orbit, Lunar Surface

Resources – Resource exploration, discovery extraction, processing, transportation

Space Science – Commercial applications of space science

Tourism – Business models, business ideas, business plans, growth forecasts, operational requirements, social impacts,

Transportation – LEO, HEO, lunar, deep space, crew, cargo, manned, unmanned

Submissions may be written from an academic, professional, technical, or visionary point of view, as best suits the author's intent. However, please note that authors are encouraged to write in an accessible style, as opposed to an overly academic or technical one.

In addition to commercial perspectives, authors are encouraged to explore operational, managerial, ethical, financial, and economic aspects of space commerce.

Submission Information

- Notification of interest:
Please notify co-editor Langdon Morris by no later than January 31, 2010 of your intention to submit a paper.
Contact him at LMORRIS@innovationlabs.com
- Submission deadline: March 31, 2010
- Anticipated publication date: August 1, 2010
- Suggested manuscript length: Between 10 and 20 pages

- **Submission Format:** Submissions should be made in Microsoft Word .doc format in 12 point Times New Roman font in plain text.
- **Figures:** All figures must be submitted as .jpg files of no less than 300 dpi resolution, or as Powerpoint files (which can easily be converted to 300 dpi jpgs).
- **Author Photos:** All authors/coauthors are requested to submit a .jpg photo of themselves at no less than 300 dpi.

Publication Information

Space Commerce will be published by ATWG using a print-on-demand service such as ex libris, Book Surge, Infinity, or Lulu, and will also be available through Amazon.com and all electronic book retailers.

In the event that there are more chapter submissions received than a single volume can accommodate, then multiple volumes will be prepared.

Note: Authors will retain copyright ownership of their papers, and will be free to publish them in other publications and/or distribute them electronically at their own discretion.

Authors will receive two free copies of the book, and will be able to purchase unlimited quantities of the book at cost, which is anticipated to be approximately \$12. The retail price is estimated at \$25.00

Organizers and Contact Information

The volume is being co-edited by Langdon Morris and Kenneth Cox, Ph.D. of the ATWG leadership team.

About ATWG

The Aerospace Technology Working Group (ATWG) is a unique space policy innovation center. ATWG was initiated by NASA in 1990 to facilitate an open dialogue between Government, Industry and Academia concerning advanced space technology issues and opportunities.

Today, ATWG operates as a private, non-profit organization pursuing an active agenda of innovative concept development, policy advocacy, and fair brokerage to promote the development of space for the benefit of all humanity.

Through publications and forum meetings, ATWG participants explore key issues related to the expansion of humanity into space. Past ATWG forum meetings have included space experts from NASA, aerospace contractors, leading systems suppliers, entrepreneurial businesses, professional societies, universities and government agencies including DOD and FAA.

From the outset, ATWG has sought improvements in both existing and developing space systems through planned application of emerging technologies, and has also supported the development of new ways of doing business, including the application of distributed missions and operations strategic concepts.

These underlying principles have today been expanded to include (1) developing knowledge and wisdom that will nurture living systems on Earth and in outer space and (2) support economic, social, and ecological sustainability for the future from an integrated Earth/space perspective.

ATWG advocates that collaborative relationships at the societal and political levels need to be developed, along side those working in the security, civil, commercial, educational domains. In addition, leadership at the local, urban, regional, national and international levels should be encouraged to embrace the vast potential of space as a resource for the development of human civilization and human potential.

For more information on ATWG, please visit atwg.org.

About International Space University

The International Space University provides graduate-level training to the future leaders of the emerging global space community at its Central Campus in Strasbourg, France, and at locations around the world. In its two-month Space Studies Program and one-year Masters program, ISU offers its students a unique Core Curriculum covering all disciplines related to space programs and enterprises – space science, space engineering, systems engineering, space policy and law, business and management, and space and society. Both programs also involve an intense student research Team Project providing international graduate students and young space professionals the opportunity to solve complex problems by working together in an intercultural environment.

Since its founding in 1987, ISU has graduated more than 2700 students from 100 countries. Together with hundreds of ISU faculty and lecturers from around the world, ISU alumni comprise an extremely effective network of space professionals and leaders that actively facilitates individual career growth, professional activities and international space cooperation.

For more information on ISU, please visit www.isunet.edu

About International Institute of Space Commerce

The International Institute of Space Commerce has been established on the Isle of Man through a partnership between the International Space University (ISU) and the Manx Government.

The Institute's mission is to become the leading think-tank in the study of the economics of space. It is intended to be the intellectual home for the Industry and Space Academia

around the world for which it shall perform studies, evaluations and provide services to all interested parties with the ultimate aim to promote and enhance world's space commerce to the general public.

The vision for the Institute is to act as a resource for all, being an international and non partisan 'Think Tank' drawing upon new ideas and solutions to existing and future problems the space industry faces by drawing together experts from academia, government, the media, business, international and non-governmental organizations, most notably those from the ISU and its extended network of people and resources.

The aim of the Institute is to broaden the professional perspective and personal understanding of all those involved in the study, formulation, execution, and criticism of Space Commerce.

The Institute is a Not for Profit Foundation and has been located at the International Business School (IBS) on the Isle of Man to capitalize on the Isle of Man's growing importance and position in the world's space industry.

For more information on IISC, please visit www.iisc.im/

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Questions and notifications of interest should be sent to
Langdon Morris at LMORRIS@innovationlabs.com

Thank you for your interest in this project.



INTERNATIONAL INSTITUTE
OF SPACE COMMERCE