3rd IAA Space and Society Conference  
*Space: the Human Dimension*

April 15-17, 2009  
Dnipropetrovsk, Ukraine

Venue:  
Palace of Students,  
Shevchenko Park, Dnipropetrovsk, 49027, Ukraine

**The Conference…**  
This conference will gather those interested in exploring and discussing a broad, complex and international topic at a time when everyone is celebrating the International Year of Astronomy, the 40th anniversary of the first Moon landing, the 50th anniversary of spaceflight, and the 50th anniversary of the International Geophysical Year. This conference follows from the 1st Impact of Space upon Society conference in Budapest (Mar 05) and the 2nd Space and Society conference in the Netherlands (Feb 07).

**The Organizers…**  
This 3rd Space and Society conference parallels the 2nd Advanced Space Technologies for the Humankind Prosperity conference in the same location with identical dates. Held under the auspices of the International Academy of Astronautics, both conference are organized by Yuzhnoye State Design Office, National Space Agency of Ukraine, SE PA Yuzhny Machine Building Plant, Dnipropetrovsk National University and Ukrainian Regional Division of IAA.

**Chairpersons:**  
Alexander Degtyarev – First Deputy General Designer – General Director  
of Yuzhnoye SDO, Ph.D., IAA Member, Ukraine  
David Raitt – Ph. D. Senior Technology Transfer Officer, ESA.

**Programme Committee:**  
Ivan Almar, Professor of Astronomy, Budapest  
Olga Bannova, Ph. D. Research Ass’t Prof. Univ of Houston  
Bernard Foing, Chief Space Scientist, ESA  
Geoff Languedoc, Executive Secretary, CASI, Canada  
Roger Malina, Director of Research, Astronomical Observatory of Marseille-Provens, France  
Nikolai Tolyarenko, Ph.D., Professor ISU, France  
Cathy Swan, Ph.D. President, SouthWest Analytic Network, Phoenix  
Peter Swan, Ph.D. Chief Architect, SouthWest Analytic Network, Phoenix  
Arthur Woods, President, OURS, Switzerland
Basic Subjects...
The conference focuses its theme on the human dimension of space and will explore and discuss some of the many important ways in which people are involved in or impacted by space activities. A handful of men and women have actually left Earth to explore and work in space. Other individuals build their spacecraft, launchers and scientific instruments while supporting them from afar. Still others are working on longer term programmers geared up to have a manned presence on the Moon and Mars. All these space activities have an impact upon society – the world’s population. This impact may be tangible in terms of employment or the benefits brought to people by space systems, technologies and applications that help to provide viable solutions to terrestrial problems. Or, it might be something more subtle like an increasing awareness of the human presence and fragility in space or the wonder that we can fly among the stars and land on far distant planets – science fiction come true. In fact, our generation is the one that has mapped the solar system with probes investigating all the planets and many other bodies, a feat with a magnitude equal to the opening up the world with sailing ships over the 15th, 16th and 17th centuries. On the other hand, it may affect our belief systems – what we believe in. There are many critical issues at this moment that will eventually have a major impact on society’s perception of space activities and that needs to be addressed from the human perspective – particularly on security, privacy and legal issues arising from space utilization. The exploitation of the Moon (and one day perhaps Mars) will doubtless raise many commercial issues in conflict with the current Moon treaties. Human nature, being what it is, will spur individuals, bodies and countries to behave in historic ways. How can the lessons of past exploration, colonization, exploitation, commercialization, arms races, as well as the steady achievements in technologies, medicines and democracies, be taken into account so that our dependants can adapt and live in a better world. It is with these realities that papers are sought which address such topics as:

- The impact that space activities and utilization are having upon society and how the public perceives them
- Opportunities offered by space technologies and space exploration to enable the evolution of humanity
- Human spaceflight as a major source of innovation in life sciences and technology
- How space exploration can be a catalyst for understanding ourselves and providing solutions to terrestrial problems facing society
- Discoveries and new knowledge from recent space missions – what is our place in the universe?
- Should humans really have a role in space – or should they be replaced by robots?
- Is it acceptable to use space for non-peaceful purposes
- What are people’s expectations from space activities – how can they get involved?
- The benefits that space brings to our daily life --- technology transfers and spin-offs
- How the health and well-being of astronauts can spur the development of new medical breakthroughs
- Space tourism – bringing space to the masses – legal, medical, economic aspects
- The cultural utilization of space – space viewed through the medium of art/literature
- How great individuals through history have shaped our understanding of astronomy, the universe and space
- Ensuring greater public awareness of the role played by space systems in sustaining and preserving Earth
- How humans in space are helping to inspire new generations
The changing landscape of human spaceflight – Chinese, Indian and other programs
Sustainability in space: how it can be addressed in planning and design for orbital and planetary missions
International and interdisciplinary space education collaboration
What are our human rights and new moral challenges facing humanity?
Space legal issues: rights and conflicts
Space commercialization impact: navigation, communications, imagery, launch
Continuing impact on today’s scientists on the opening of the universe at the dawn of the space age.
How can the space community continue to excite young people about space?
History of the space industries
The Conference will be implemented in some sessions.

Call for papers...
Submitted abstracts should be in English and should contain the following information:
- Title of paper.
- Name(s) of author(s).
- Affiliation of author(s).
- A short (maximum 500 words) summary of the paper.
- Full contact details of presenting author, including postal and e-mail addresses, phone and fax.
- Special visual equipment required.
Abstract should be received by 15 February 2009.
Language of the Conference - English.

Registration fee...
Registration fee includes costs of abstracts and Conference program publication, holding of meetings, organizing of social events, and amounts to: in Ukraine – 300 UAH (including VAT) for participants, and 150 UAH (including VAT) for graduate students; for participants from CIS countries – 1500 rubles, and 750 rubles for graduate students; for foreign participants – 150 euro, and 75 euro for graduate students.
Participation of students in the Conference is free of charge.
Registration fee can be made by:
- bank transfer;
- Visa or Master Card;
- cash directly during registration (in case of preliminary agreement with the Organizing Committee).

Note...
At the same time together with the 3rd Space and Society Conference the 2nd International Conference “Advanced Space Technologies for humankind prosperity” will be held under the aegis of International Astronautics Academy in Dnipropetrovsk (the Palace of Students).
The participants registered at one of the above mentioned conferences will have right to take part in another conference free of charge.

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REGISTRATION FORM

Please, fill in the given Form using block letters and return the Form to the Conference Organizing Committee by e-mail along with abstract:

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Prof. Dr. Graduate student/Student Mr Mrs
Surname _____________________________________________________________________
Name _______________________________________________________________________
Organization __________________________________________________________________
Title_________________________________________________________________________
Mailing address________________________________________________________________
Tel.______________________________ Fax ________________________________________
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Title of Paper (section №)_______________________________________________________
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Language of Paper______________________________________________________________
Way of Payment:

- bank transfer

- directly during registration (plastic card or cash).

Signature_________________________ Date_________________________