

The global importance of the incoming Space Economy

Medieval Castle of Moncrivello (VC) – April 1st 2006 / 9:30 ÷ 22:00

ABSTRACT

Several events have recently determined a radical change for the perspectives of the human expansion in space: the tragic loss of the second shuttle, the crisis of the spendable launchers market, followed to the crisis of the telecommunications, the many failures of Arian 5. And other events, very positive: the entry of China in the astronautic club, and the enterprise of SpaceShip-One, of Scaled Composites and SpaceDev, that won the X-Prize. All framed in a world situation characterized by many elements of uncertainty: conflicts and terrorism, on one side, and the long lasting stagnation of the global economy, that was not able, until now, to recover strong lines of industrial development, comparable to automotive and to the development of the big transport systems in the past century.

The perspective of space tourism, of the geo-lunar space industrialization, and the birth of a true space-economy, with the private enterprises as protagonist, it is no more science fiction, but something that will move first meaningful footsteps in the turn of five or ten years, starting with the sub-orbital flights for civil passengers. The opening challenges are enormous, first of all the one to conceive and to build sub-orbital and orbital vehicles for the transport of civil passengers: as to pass from the current expensive shuttle – a military conceived vehicle, comparable to a B52 – to a space "Airbus 380"!

A formidable perspective, for the relaunching and the development of the space industries and economical activities. A revolution that will outclass the first industrial revolution, and that will bring the world economy to an unprecedented development.

A new awareness is more and more coming to light: it will be **the Space**, that will provide the new industrial development lines, the new energy sources, and a horizon of open development. **It will be Astronautics** that will guarantee the economic and civil growth, in full liberty, for at least a millennium.

Technologies of the Frontier, that follows since a long time the "pregnancy" of this process, today proposes to the firms, to the academic world, and to all the *true astronauts* in their spirit, a first moment of open discussion, to detect grounds of activity and collaboration.

SUBSCRIPTION

- visit the site of Technologies of the Frontier <http://www.tdf.it/> , or
- fill the annexed module and send it as pdf, via email to info@tdf.it or via fax to 0039.0161.423605, or call 0039.0161.433688



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1st International Convention of Technologies of the Frontier

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VISION, TECHNOLOGIES AND ARTS

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| 9.30 | Adriano Autino (TDF, IT) - "The Fifth Season: Birth of a Baby Solar Civilization" |
| 10.00 | Patrick Collins (SpaceFuture, UK) - "The Economic and Cultural Importance of Space Tourism" |
| 10.30 | Steven Wolfe (US) - "The Evolutionary Imperative Driving Human Development in Space" |
| 11.00 | Coffe break |
| 11.30 | Gennaro Russo (CIRA, IT) - "PRORA-USV: more Aeronautics in Space" |
| 12.00 | Rick Tumlinson (Space Frontier Foundation, US) - "All of the Above - Opening the Space Frontier" |
| 12.30 | Jim Benson (SpaceDev, US) - "Making Space Happen" |
| 13.00 | Open discussion |
| 13.30 | Lunch |
| 14.30 | David Livingston (The Space Show, US) - A greeting from the US (recorded video) |
| 14.45 | Lanfranco Zucconi (CGS, IT) - "Innovation means growth: excellence networks for space projects" |
| 15.10 | Peter Wainwright (Space Future, US) - "The SpaceFuture Project" |
| 15.35 | Giancarlo Genta (Politecnico di Torino, IT) - "Bootstrapping a spacefaring civilization" |
| 16.00 | Danilo Lazzeri (Blue Engineering, IT) - "A Tool For Flexible And Rapid Thermal Analysis And Design In Feasibility And Preliminary Phases Of Space Projects" |
| 16.25 | Coffe break |
| 16.50 | Pierluigi Polignano (Università La Sapienza di Roma, IT) - "Space Tourism: the New Tourism Market" |
| 17.15 | Adriana Parlatini (OdisseoSpace, IT) - "Space Science and Education" |
| 17.40 | Arthur Woods (The OURS Foundation, CH) - "Cosmic Stones" |
| 18.05 | Open discussion |
| 19.00 | Aldo Mella and his Group (Modern Jazz) |
| 19.30 | Giovanni Renzo (Messina, IT) - "Atlas Coelestis: music and stars" |
| 20.00 | Gaetano Partipilo and Stefano Jacoviello (Urban Jazz) |

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Space Frontier Foundation



In and Out Space / IACSA