



IV SpaceLand Forum

Mauritius, 28 - 29 May 2019



Humanizing Space, Microgravity, Technology & Science for the *Space 3-G: Generation, Gender, Geography*

Applications by email to SpaceLand@SpaceLand.it

www.SpaceLand.it

Sustainable progress and socio-economic development imply research; research implies creativity and produces business: techno-science research programs in weightlessness and Mars or Moon gravity conditions, such as the SpaceLand ones with elderly, kids and people with disabilities, can support that equation, triggering innovative, cultural and socio-economic development for everybody.

Microgravity and “low-G” environments provide unprecedented conditions and capacities for *state-of-the-art* pharmaceutical, biomedical, life & material sciences research, as well as multi-disciplinary technology innovation opportunities for new human-rated and robotic systems, also for critical, tele-controlled and/or automated applications and spin-off’s in remote or harsh environments.

This approach also fosters both education and commercially-driven research leading to new products and services which can be developed by innovative, high-tech entrepreneurs and enterprises, creating highly-skilled labour-intensive jobs to benefit the whole society. This virtuous system can also enhance the quality of life for the weak social classes and the 3-G communities: this is the context for the *4th SpaceLand Forum*, endorsed by top-level institutions such as the *200-Countries & 27000 subscribers-strong* International Astronautical Federation “IAF” and the *National Engineers Council* of Torino (Italy), hosted by *Université des Mascareignes* in Mauritius.

Including an original *networking & star-gazing night-meal* on one of the most beautiful beaches of the planet, the meetings and presentations envisaged for the Forum will be from the 16th to the 17th of December 2018 on the marvellous main island of Mauritius; the events follow on successful symposia by SpaceLand in Europe, held with the support of the European Commission’s V-President and many other international institutions (see for instance <https://www.asi.it/it/eventi/convegni/spaceland-expo-congress>).

The Forum will bring together stakeholders, investors, scientists and techno-science industry to examine, consider and collaboratively stimulate with youngsters and the local population a myriad inter-disciplinary perspectives on space and microgravity-related techno-scientific matters, especially for the sustainable development of surrounding African and Asian regions: Space Policies, Business and Entrepreneurship, Space outreach and STEAM (Science, Technology, Engineering, Arts and Medicine), United Nations’ Sustainable Development Goals (SDGs) and Capacity-Building programs for Africa and the Indian Ocean will be among the main topics of the event.

As detailed in the next page, emphasis will be also given to the so-called *3-G challenges and opportunities* (Gender, Geography, Generation) and to the innovative design for research and education centers with underwater & ground facilities for Moon-gravity and Mars-gravity programs, such as the Mars-habitat-looking SpaceLand Center planned on the island, also to support aerospace tourism.

Recommendations to relevant public, private and non-governmental sectors will be made to help shape the future of the African and Indian Ocean-facing Countries; high-tech, labour-intensive scholarships and job opportunities will also be evaluated interactively with the speakers, in particular addressing eco-friendly industry, professionals and the young generations for the myriad benefits of the being developed Center of Excellence for Microgravity presented at the United Nations High-Level Forum on Space by Doct. Carlo Viberti, NASA/ESA Zero-Gravity Research Flight Veteran, together with the Head of State of Mauritius (<https://youtu.be/2RthuFMcdfg>)

Set the date for 28-29 May 2019: welcome to Mauritius, your first SpaceLand !



<http://www.iafastro.org/evenements/4th-spaceland-forum/>

4th SpaceLand Forum

28-29 May 2019
Mauritius



Program topics

The SpaceLand group has set several *world-records*, such as preparing underwater and bringing the **world's first person with disabilities** (Elma Schippa, in April 2005, paving the way to *Stephen Hawking's flight*), the **world's oldest man** (93-year-old Cesare Massano, in 2007) and the **world's youngest kid** (Carlo Viberti's son, namely 11-year-old Kim Marco Viberti, in 2008) to fly as *science research test subjects* and *technology test-operators in weightlessness* for major research programs taking off from the **NASA Space Shuttle Landing Facility**, also for groups led by **Nobel Prize winning scientists**.

Such results contribute to demonstrate that "**humanizing Space, Microgravity, Technology and Science**" is possible; moreover, this goal is also essential to bring citizens closer to the state-of-the-art knowledge, enhancing everybody's quality of life thanks to the opportunities and benefits of Space and microgravity R&D programs.

In this respect, key-notes being inserted in the program of the 4th SpaceLand Forum will also cover the following topics:

3-G aerospace and STEM disciplines: Gender, Generation, Geography

- women from the Earth to Mars: from construction of ground facilities to planetary habitats, from female designers to payload specialists & astronauts ;
- the young generations toward Mars: lessons learnt with pioneers of Space and Microgravity programs ;
- international opportunities to support Africa's future in Aerospace-related STEM: business and entrepreneurs ;
- 3-G opportunities in the Zero-G, Moon-G and Mars-G facilities being developed in Mauritius.

You are welcome !



Participants will be given an *e-voucher* for discounted accommodation at a few meters from the crystal-clear sea. Accommodation for low-budget delegates might be found for as low as 25 EUR per night

- Application fee for participants and speakers: within 15 February 2019: 180 USD, after 15 February 2019: 220 USD
- Students below 22 years of age: 50% reduction over above fees
- 55 EUR for gala dinner & networking beach party
- Forum co-organizer:
- Commercial or institutional sponsor: a contribution of 3000 EUR is requested, in exchanged for external communication, official mention and 1 speaker's key-note

See you in Mauritius !

Please mention your name and institution when wire-transferring US dollars to

- **SpaceLand Africa Ltd**
- Bank: **Mauritius Commercial Bank Ltd**
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Please send proof of payment and any info request to SpaceLand@SpaceLand.it
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