

The 13th Ilan Ramon
International
SPACE
CONFERENCE

JANUARY 28-30, 2018

Venue: Tel Aviv University, Israel

Remote Sensing in the New Era



Tentative Agenda

JANUARY 29, 2018

VENUE: SMOLARZ AUDITORIUM ///

08:00 - 08:30 **Registration & Refreshment**

08:30 - 09:25 **Opening Session**

Mr. Peretz Vazan, Director General, Ministry of Science & Technology

Prof. Joseph Klafter, President, Tel Aviv University

Mr. Avi Blasberger, Director, Israel Space Agency, Israel's Ministry of Science and Technology

Dr. Deganit Paikowsky, Chairperson, The 13th Ilan Ramon International Space Conference, Tel Aviv University

Prof. Isaac Ben Israel, Chairman, Israel Space Agency, Israel's Ministry of Science and Technology, Head of Yuval Ne'eman Workshop for Science Technology and Security, Tel Aviv University

Commemoration to the Columbia Crew

Rona Ramon, Founder and President of the Ramon Foundation

09:25 - 09:45 **Keynote Lecture: Space 4.0: Governments and Industries Advancing Together into Space**

Prof. Johann-Dietrich Woerner, ESA Director General

09:45 - 11:15 **Remote Sensing for Sustainable Development - Heads of Space Agencies**

Moderator: Mr. Avi Blasberger, Director, Israel Space Agency, Israel's Ministry of Science and Technology

- **2017 A Year in Review: Policy and Security**, Ms. Gil Baram, Head of Research, Yuval Ne'eman Workshop for Science Technology and Security, Tel Aviv University

- **Historical Perspective on The Developments and Trends of Remote Sensing**, Dr. Martin Collins, National Air and Space Museum, Smithsonian Institution

- **Panel Participants:**

- **Prof. Roberto Battiston**, ASI President

- **Prof. Dr. Pascale Ehrenfreund**, Chair of the DLR Executive Board

- **Dr. Eugene Tu**, Director, NASA Ames

- **Mr. Sergey Saveliev**, Deputy Director General of ROSCOSMOS

- **Mr. P. Kunhikrishnan**, ISRO Representative, Satish Dhawan Space Centre, Sriharikota

11:15 - 11:45 **Coffee Break & Networking**

- 11:45 - 11:55 **Welcoming Remarks**
MK Ofir Akunis, Minister of Science and Technology
- 11:55 - 13:25 **Venus Satellite: Science, Technology and Cooperation**
Moderator: Mrs. Inbal Kreiss, Deputy General Manager MBT Space Division , IAI and **Mr. Pierric Ferrier**, Chief of Project, CNES
- *2017 A Year in Review: Science (Astronomy and Astrophysics)*, Prof. Eli Waxman, Weizmann Institute for Science
 - *Joint Presentation Israeli-French Cooperation Past & Future*, Mr. Jean-Yves Le Gall, CNES President, Mr. Avi Blasberger, ISA Director General
 - *The Scientific Mission: Israeli-French Venus P.I. Cooperation*, Prof. Arnon Karnieli, Head of the Remote Sensing Laboratory, Ben Gurion University and Dr. Gerard Dedieu, CESBIO
 - *The Technological Mission*, Joint Presentation, Mr. Ehud Hayun, IAI Venus Satellite System engineer, Mr. Ilan Porat, Head of Space Business Unit, Elbit Systems-ISTAR – ELOP and Mr. Jacob Herscovitz, Chief Systems Engineer, RAFAEL
- 13:25 - 14:20 **Lunch Break and Networking**
- 14:20 - 16:15 **Technological Advancement in the New Space Era**
Moderator: BG (Res.) Amnon Harari, Head of Space Program Office - Mafat, Israeli Ministry of Defense
- 2017 A Year in Review: Industry & Technology*, Mr. Tal Inbar, Head of Space & UAV Center, The Fisher Institute
- *Quantum Computing for Space Missions*, Dr. Eugene Tu, Director, NASA Ames
 - *Perspectives on Future Technologies and Cooperation with the Private Sector*, Major General Robert Skinner, Deputy Commander, US Air Force Space Command
 - *Israel's role in NASA's Exploration Mission-1*, Mr. David Murrow, Senior Manager, Business Development Commercial Civil Space, Lockheed Martin
 - *Size does Matters: Smaller yet Bigger*, Mr. Opher Doron, Vice President & General Manager MBT Space Division, IAI
 - *Propulsion Solutions for Small Satellites*, Dr. Dan Lev, Space Propulsion Researcher, RAFAEL
 - *Intelligence as a service*, Mr. Ori Zeisel, Director for Business Development & marketing, ISI
 - *Cost Effective Space Remote Sensing*, Mr. Ilan Porat, Head of Space Business Unit, Elbit Systems-ISTAR - ELOP
- 16:15 - 16:40 **Coffee Break & Networking**
- 16:40 - 17:30 **The Future of the Space Club**
Moderator: Prof. Isaac Ben Israel, Chairman, Israel Space Agency, Israel's Ministry of Science and Technology, Head of Yuval Ne'eman Workshop for Science Technology and Security, Tel Aviv University
- *The Space Club in Transition From Old Space to New Space Ecosystem*, Dr. Deganit Paikowsky, Tel Aviv University
 - *Current Challenges and Future Roles of Governments in Leading Space Exploration, Research, and Technology*, Mr. Charles Bolden, Retired U.S. Marine Corps Major Gen. and former NASA Administrator
 - *Visioning Our Future in Space*, Dr. Reut Sorek-Abramovich, Davidson Institute of Science, Education and the Dead-Sea Arava Science Center
- 17:30 - 18:00 **Coffee Break & Networking**
- 18:00 - 19:30 **SPECIAL EVENT**
Earth From Space: Interactive Astronauts Panel
Moderators: Mr. Tal Inbar, Head of Space & UAV Center, The Fisher Institute and **Ms. Helen Wexler**, Space Architect & Founder at Bubble Base
- Participants:**
Astronaut Dr. Donald Thomas, USA
Astronaut Dr. Michael Barratt, USA
Astronaut Dr. Thomas-Henry Marshburn, USA
Astronaut Dr. Jean-Jacques Favier, France

Tentative Agenda

JANUARY 30, 2018

VENUE: SMOLARZ AUDITORIUM /// 08:00-17:00

08:00 - 08:30 Registration & Refreshment

08:30 - 08:55 Opening Session

Moderator: Prof. Isaac Ben Israel, Chairman, Israel Space Agency, Israel's Ministry of Science and Technology, Head of Yuval Ne'eman Workshop for Science Technology and Security, Tel Aviv University

Needs of developing nations in Earth observation data for the attainment of the Sustainable Developing Goals, Mr. Luc St-Pierre, Chief, Space Applications Section, UNOOSA

08:55 - 10:20 *NewSpace and the Startup Nation*

Moderator and lecturer: *What is NewSpace?* Mr. Ofer Lapid, Founder & CTO, SpaceNest
Disrupting 'Old Space'

- ***Remote Sensing to The Power of Hundreds***, Ms. Agnieszka Lukaszczyk, Planet (US,EU)
- ***Analytics and Business Intelligence from Space***, Mr. Ami Daniel, WindWard Israel
- ***The evolution of geospatial information from images to big data analytics. Challenges and opportunities in the new space era***, Mr. Massimo Comparini, CEO, e-GEOS
- ***In Orbit Servicing***, Mr. Arie Halsband, CEO & Founder, Effective Space Solutions, UK
- ***The Mega Constellations Revolution***, Mr. David Zusiman, Constellation Program Manager, Sky and Space Global, UK
- ***Software Defined Space***, Prof. Ran Ginosar, Ramon Chips, Israel
- ***Nontoxic Space Propulsion***, Mr. Moti Elyashiv, Newrocket, Israel

10:20 - 10:50 Coffee Break & Networking

10:50 - 12:45 *New Exciting Space*

- ***The Micro Gravity Revolution***, Mr. Yossi Yamin, SpacePharma, Israel
- ***Keeping Space Travelers Alive***, Dr. Oren Milstein, StemRad, Israel
- ***Outer Space Manufacturing***, Ms. Helen Wexler, Space Architect & Founder at Bubble Base

Let's Get Down To Business

- ***Government Funding Opportunities***, Dr. Nili Mandelblit, Director of Programs, ISERD
- ***1+1>2***, Avi Gal, Director, R&D Projects and Alliances Gilat Satellite Networks Ltd.
- ***Israeli Commercial Space Export Control***, Adv. Naama Margolis, NM Associates
- ***Associates Investor's Perspective***, Mr. Yonatan Machado, JVP
- ***Academia-entrepreneur relations***, Prof. Dan Blumberg, Ben-Gurion University
- ***How Do I Start? A Founder's Testimony***, Mr. Yariv Bash, Spacell, Israel
- ***Wrapping-up***, Mr. Ofer Lapid, Founder & CTO, SpaceNest

12:45 - 13:45 **Lunch Break and Networking**

13:45 - 15:00 **Looking into Space**

Moderator: Prof. Hagai Netzer, School of Physics & Astronomy, Tel Aviv University

- **Juice – Jupiter ICY Moon Explorer - Joint Presentation**, Prof. Yohai Kaspi, Department of Earth and Planetary Sciences Weizmann Institute for Science and Prof. Luciano Iess, Sapienza University of Rome
- **ISS-TAO Transient Astrophysics Observatory on the ISS**, Joint Presentation Prof. Ehud Behar, Department of Physics, Technion and Dr. Jordan Camp, NASA Goddard
- **ULTRASAT - Ultraviolet Transient Astronomy Satellite**, Prof. Eli Waxman, Department of Physics & Astrophysics, Weizmann Institute of Science
- **Robotic Space Exploration: A JPL Perspective**, Lt. Gen. Larry James, Deputy Director, JPL

15:00 - 15:45 **Space and Cybersecurity Panel**

Moderator: Prof. Isaac Ben Israel

Panel Participants:

- **Ram Levi**, Founder & CEO, Konfidas
- **Niv David**, lecturer & Fellow, The Blavatnik Interdisciplinary Cyber Research Center, Tel Aviv University
- **Capt. (Ret.) Moshe Golani**, SVP Engineering, Amos – Spacecom

15:45 - 16:15 **Coffee Break & Networking**

16:15 - 17:00 **MARS Habitats for Research, Education and Inspiration**

Moderator: Prof. Oded Aharonson, The Weizmann Institute of Science

- **A Space in the News**, Mr. Ettay Nevo, Davidson Institute, Weizmann Institute
- **Space simulations as an engine for exploration and inspiration**, Mr. Roy Naor, Davidson Institute, Weizmann Institute
- **Architecture of Habitats**, Mr. Alon Shikar, Shika Architect
- **D-MARS: The First Israeli Analog Simulation** Dr. Hillel Rubinstein, Ben Gurion University and Ms. Hadas Nevenzal, Davidson Institute, Weizmann Institute

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