

United Nations / Austria Symposium on "Space Science and the United Nations"

Programme

Austrian Academy of Sciences, Institute for Space Research Schmiedlstrasse 6, Graz, Austria

Co-sponsored by City of Graz, State of Styria, Austrospace, European Space Agency Committee on Space Research (COSPAR) Austrian Ministry for Transport, Innovation and Technology Austrian Academy of Sciences

22 – 24 September 2014

Honorary Committee (in alphabetical order):

S. Di Pippo	Director, Office for Outer Space Affairs, United Nations
L. A. Fisk	President, Committee on Space Research
S. Nagl	Mayor, City of Graz, Austria
F. Nordlund	Head of the International Relations Department, European Space Agency
I. Schädler	Deputy Director General for Innovation Policy, Austrian Ministry for Transport,
	Innovation and Technology
F. Voves	Governor, State of Styria, Austria

Programme Committee (in alphabetical order):

W. Balogh	Office for Outer Space Affairs, United Nations
W. Baumjohann	Space Research Institute, Austrian Academy of Sciences
JC. Bigot	European Space Agency
P. Ehrenfreund	Space Policy Institute, George Washington University
M. Fujimoto	Japan Aerospace Exploration Agency, Japan
K.H. Glassmeier	Committee on Space Research
H. Haubold	Office for Outer Space Affairs, United Nations (retired)
O. Koudelka	JOANNEUM RESEARCH and Graz University of Technology, Austria
P. Martinez	South African Astronomical Observatory, South Africa
J. Ortner	EURISY
M. Sharma	Department of State, United States of America
A. Yoshikawa	International Center for Space Weather Science and Education, Japan

Local Organizing Committee (in alphabetical order):

B. Flock	Austrian Academy of Sciences
A. Fuchs-Fehringer	Graz Tourism
N. Hofer	City of Graz
B. Kössler	JOANNEUM RESEARCH
O. Koudelka	JOANNEUM RESEARCH and Graz University of Technology, Austria
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Monday, 22 September 2014

Morning 8:30	Registration	
9:00	<u>Opening Ceremony</u> Chairperson: Simonetta Di Pippo, United Natior	as Office for Outer Space Affairs
9:00	Welcome / Opening Remarks	 Wolfgang Baumjohann Austrian Academy of Sciences Peter Piffl-Percevic, City of Graz Ingolf Schädler, Austrian Ministry for Transport, Innovation and Technology Fabio Favata, European Space Agency Simonetta Di Pippo United Nations Office for Outer Space Affairs
9:30	<u>Keynote Addresses</u>	
9:30	ESA Space Science Activities	Fabio Favata ESA
10:00	Status of NASA Science	Allen Gale NASA
10:30	Coffee/Tea Break	
	Symposium Introduction	
11:00	Space Science in the United Nations Programme on Space Applications - Introduction and Objectives of the Symposium	Werner Balogh United Nations Office for Outer Space Affairs
12:00	Lunch	
Afternoon 13:30	Session 1: Space Science and International Organizations Chairperson: Otto Koudelka, Graz University of Technology and JOANNEUM RESEARCH	
13:30	Capacity Building through Basic Space Science	Rudolf Albrecht Austrian Space Forum
13:50	COSPAR Activities in Support of Capacity Building in Space Science	Wolfgang Baumjohann COSPAR
14:10	ESO, born in Europe, at home in the World	Claus Madsen ESO

14:30	The European Space Sciences Committee	Nicolas Walter European Science Foundation
14:50	Coffee/Tea Break	
15:30	Session 2: National and Regional Space Scienc Chairperson: Johannes Ortner, EURISY	e Activities
15:30	U.S. Space Studies Board Views on International Collaboration in Space Science	Michael Moloney U.S. National Research Council U.S. National Academy of Sciences
15:50	Introduction of Chinese Space Science International Cooperation	Liu Bo CNSA, China
16:10	Japan's Space Science Activities	Masaki Fujimoto JAXA, Japan
16:30	Space Science Activities in India	Yogesh Kant ISRO, India
16:50	Capacity Building in Space Science in Africa	Peter Martinez South African Council for Space Affairs South Africa
17:10	Review of Sessions 1 and 2 – Q&A and Discussions	Symposium Participants
18:00	Transfer to the Hotel	
19:00	Transfer from the Hotel to the "Andreas-Hofer-Platz" (Centre of Graz)	
19:30	Reception hosted by the Mayor of the City of Graz Siegfried Nagl (Rathaus)	

Tuesday, 23 September 2014

Morning 9:00	Session 3: Space Science and the United Nations Basic Space Science Initiative Chairperson: Sergio Camacho-Lara, CRECTEALC, Action Team-14, Mexico		
9:00	Telescopes Donation under International Scientific Optical Network (ISON) Project	Igor Molotov Keldysh Institute of Applied Mathematics Russian Academy of Sciences	
9:15	International Scientific Optical Network (ISON) and UN BSSI – New Topical Goals for an Observing Programme	Vladimir Agapov Keldysh Institute of Applied Mathematics Russian Academy of Sciences	

9:30	An International Response to the NEO Impact Threat – the Role of the United Nations	Sergio Camacho-Lara CRECTEALC, Action Team-14 Mexico
9:45	Space Science Capacity Building at the International Center for Space Weather Science and Education (ICSWE)	Akimasa Yoshikawa ICSWE Japan
10:00	The World Space Observatory Project	Ana Ines Gomez de Castro Univ. Complutense de Madrid Spain
10:15	World Space Observatory – Ultra Violet project	Mikhail Sachkov Institute of Astronomy Russian Academy of Sciences
10:30	Review of Session 3 – Q&A and Discussions	Symposium Participants
	Coffee/Tea Break	
11:00	Session 4: Space Science Activities and the Poss Chairperson: Sergio Camacho-Lara, CRECTEAL	
11:00	Astronomy and Space for Capacity Building	George Miley IAU
11:15	Science supporting Human Permanence on Mars	Bas Lansdorp Mars One The Netherlands
11:30	A Search for Microorganisms in the Earth's Atmosphere	Jayant Vishnu Narlikar Inter-University Centre for Astronomy and Astrophysics (IUCAA), India
11:45	Consequences of the Discovery of Extraterrestrial Life – Impact on Humanity	Chandra Wickramasinghe Buckingham Centre for Astrobiology United Kingdom
12:00	Mars Analog Research as a Catalyst for Citizen Science	Gernot Grömer Austrian Space Forum Austria
12:15	Review of Session 4 – Q&A and Discussions	Symposium Participants
12:40	Lunch	

Afternoon 13:30	Guided Tour of the Institute of Space Research of the Austrian Academy of Sciences		
15:00	Session 5: National and Regional Examples of Space Science Capacity Building Chairperson: Peter Martinez, South African Council for Space Affairs, South Africa		
15:00	The African Regional Centre for Space Science and Technology Education	Oluremi Ayokunle Fashade ARCSSTE-E, Nigeria	
15:15	Space Science Education at the Regional Centre for Space Science and Technology Education for Western Asia	Awni Kasawneh RCSSTE for Western Asia, Jordan	
15:30	Space Science and Capacity Building in Asia and the Pacific Region: CSSTEAP Initiatives	Yogesh Kant CSSTEAP/ISRO, India	
15:45	Space Science in Mexico	Benito Orozco Mexican Space Agency Mexico	
16:00	Coffee/Tea Break		
16:30	Session 5 cont'd: National and Regional Examp Chairperson: Peter Martinez, South African Coun		
16:30	Space Science Education in Nepal	Suman Gautam Pokhara Astronomical Society Nepal	
16:40	Promoting Space Science in Nigeria	Omowumi Oluwayemisi Alabi Nigeria	
16:50	Space Science and Astronomy Activities and Development in Ethiopia	Solomon Belay Tessema Entoto Observatory and Space Science Research Center, Kotebe University Ethiopia	
17:00	Astronomy in Sri Lanka based on 45cm Cassegrain Telescope at Arthur C Clarke Institute for Modern Technologies (ACCIMT)	Janaka Adassuriya Arthur C Clarke Institute for Modern Technologies (ACCIMT), Sri Lanka	
17:10	Capacity Building in Space Science and Technology in Ghana	Benjamin Bonsu ANUC, Ghana	
17:20	An African School on Space Science	Jean Uwamahoro University of Rwanda College of Education, Rwanda	
17:30	Review of Sessions 5 – Q&A and Discussions	Symposium Participants	

18:00	Transfer to the "Burgring" (Centre of Graz)
18:30	Guided Tour through the Old City
19:30	Reception hosted by the Governor of the State of Styria Franz Voves (Orangery in the Gardens of Graz Burg)

Wednesday, 24 September 2014

Morning 9:00	<u>Session 6: Specific Space Science Projects</u> Chairperson: Werner Balogh, United Nations Office for Outer Space Affairs		
9:00	Space Environment Simulation and Research Infrastructure of China	Jianli Liu Harbin Institue of Technology, Heilongjiang, China	
9:15	Small Space Platform for Scientific and Technological Experiments	Nikolay Vedenkin, Valeriia Verkhovykh Dauria Aerospace Russian Federation	
9:30	Bioregenerative Life Support Experiments in Chinese LUNAR PALACE 1: Results and Future Plans	Liu Hong Beihang University Beijing, China	
9:45	Review of Sessions 6 – Q&A and Discussions	Symposium Participants	
10:00	Session 7: Future Space Science Activities in the Framework of the United Nations Chairperson: Werner Balogh, United Nations Office for Outer Space Affairs		
10:00	Discussions on Future United Nations Space Science Activities	All Symposium Participants	
10:30	Coffee/Tea Break		
11:00	Symposium Review, Observations and Recommendations for the Report	All Symposium Participants	
12:30	Lunch		
Afternoon 13:30	Concluding Discussions and Symposium Closin	ig Session	
	Closing Remarks by the Organizers	 United Nations Office for Outer Space Affairs Symposium Co-Sponsors 	
~14.00	Transfer to the Hotel and End of the Symposium		