

Conference on Future of Earth-Space Science and Education (Future ESSE) | (smr 2722)

Monday, 2 November 2015

10:00 - 18:15

- 10:00 **CONFERENCE OPENING 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
- 10:45 **Registration & Coffee (followed by formalities at Fermi Building) 1h15'** (Adriatico Guest House - (Lower Level 1))
- 12:00 **Lunch 1h30'** (Adriatico Guest House - Cafeteria)
- 13:30 **Disaster Risk Reduction Literacy and Reforming Science Education 45'** (Adriatico Guest House - Giambiagi Lecture Hall)

IRDR is the Integrated Research on Disaster Risk Programme co-sponsored by the International Council for Science (ICSU), the International Social Sciences Council (ISSC), and the U.N. Office for Disaster Risk Reduction (UNISDR)

Speaker: Rudiger Klein (former Director of IRDR, Zurich, SWITZERLAND)

- 14:15 **Break 15'**
- 14:30 **Peri-Peri-U: Disaster Risk Management Education 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Djillali Benouar (University of Science & Technology, Alger, ALGERIA)
- 15:15 **Coffee Break 30'**
- 15:45 **Educational Game to Raise Awareness about Disaster Risks 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Sophie Mossoux (Vrije Universiteit Brussels, BELGIUM)
- 16:30 **Break 15'**
- 16:45 **Extreme Seismic Hazards and Disasters 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Alik Ismail-Zadeh (Karlsruhe Institute of Technology, Karlsruhe, Germany, Russian Academy of Sciences, Moscow, Russia)
- 17:30 **Discussion 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Moderator: Alik Ismail-Zadeh

Tuesday, 3 November 2015

10:00 - 18:30

- 10:00 **World Climate Research Program and Education on Climate Change 45'** (Adriatico Guest House - Giambiagi Lecture Hall)

WCRD is the World Climate Research Program co-sponsored by the World Meteorological Organization (WMO), ICSU and the Intergovernmental Oceanographic Organization (IOC) of UNESCO

Speaker: David Carlson (WCRP Executive Director, Geneva, SWITZERLAND)

- 10:45 **Coffee Break 30'**
- 11:15 **Climate Modeling and Future Climate Education in ICTP 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Filippo Giorgi (ICTP, Trieste, ITALY)
- 12:00 **LUNCH 1h30'** (Adriatico Guest House - Cafeteria)
- 13:30 **Panta Rhei – Water and Society: Science and Education 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Thorsten Wagener (University of Bristol, UK)
- 14:15 **Break 15'**

- 14:30 **Lessons Learned from Great Tsunamis: a Role of Education 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Harsh Gupta (National Geophysical Res. Institute, Hyderabad, INDIA)
- 15:15 **Coffee Break 30'**
- 15:45 **Atmospheric Ozone, Air Pollution and Climate Problems 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: John Burrow (Universität Bremen, GERMANY)
- 16:30 **Break 15'**
- 16:45 **Discussion 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Moderator: Filippo Giorgi
- 17:30 **Poster Session 1h0'** (Adriatico Guest House - (Lower Level 1))

Wednesday, 4 November 2015

10:00 - 20:00

- 10:00 **Future of Geomagnetic Earth Observations 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Kathy Whaler (University of Edinburgh, Scotland, UK)
- 10:45 **Coffee Break 30'**
- 11:15 **Petrophysics and Geodynamics: Future Science and Education 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Frank Schilling (Karlsruhe Institute of Technology, Karlsruhe, Germany)
- 12:00 **LUNCH 1h30'** (Adriatico Guest House - Cafeteria)
- 13:30 **Computational Geodynamics: Combined Mathematics – Geosciences – Computer Science Education 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Alik Ismail-Zadeh (Karlsruhe Institute of Technology, Karlsruhe, Germany, Russian Academy of Sciences, Moscow, Russia)
- 14:15 **Break 15'**
- 14:30 **Science Education in Africa 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Edith Madela-Mntla (Director, ICSU ROA, Pretoria, SOUTH AFRICA)
- 15:15 **Coffee Break 30'**
- 15:45 **Geoscience Education and Technology Transfer 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Jesus Martinez-Frias (CSIC-Universidad Complutense, Madrid, SPAIN)
- 16:30 **Break 15'**
- 16:45 **Discussion 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Moderator: Karim Aoudia (ICTP, Trieste, ITALY)
- 17:30 **Poster Session 1h0'** (Adriatico Guest House - (Lower Level 1))
- 19:00 **Conference Reception 1h0'** (Adriatico Guest House - Cafeteria)

Thursday, 5 November 2015

09:00 - 16:30

- 09:00 **Resourcing Future Generation 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Roland Oberhansli (University of Potsdam, GERMANY)
- 09:45 **Break 15'**
- 10:05 **Cartography, Education and Training 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Menno-Jan Kraak (University of Twente, THE NETHERLANDS)
- 10:45 **Coffee Break 30'**
- 11:15 **Education and Training in Remote Sensing & Related Aspects of Propagation 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Madhu Chandra (Chemnitz University of Technology, GERMANY)
- 12:00 **LUNCH 1h30'** (Adriatico Guest House - Cafeteria)
- 13:30 **Towards a new Declaration on Geographical Education in Europe 45'** (Adriatico Guest House - Giambiagi Lecture Hall)
Speaker: Joos Droogleevert Fortuijn (University of Amsterdam, THE NETHERLANDS)
- 14:15 **Break 15'**
- 14:30 **Quaternary Science as a Window into the Future 45'** (Adriatico Guest House - Giambiagi Lecture

Hall)

Speaker: Allan Ashworth (North Dakota State University, Fargo, ND, USA)

15:15 **Coffee Break 30'**

15:45 **Discussion 45'** (Adriatico Guest House - Giambiagi Lecture Hall)

Speaker: Moderator Harsh Gupta

Friday, 6 November 2015

09:00 - 17:30

09:00 **Global Geodetic Observing System for Earth Sciences 45'** (Adriatico Guest House - Giambiagi Lecture Hall)

Speaker: Michael Sideris (University of Calgary, CANADA)

09:45 **Monitoring of Disasters from Space 45'** (Adriatico Guest House - Giambiagi Lecture Hall)

Speaker: Orhan Altan (Technical University of Istanbul, TURKEY)

10:30 **Astronomy: Future Science and Education 45'** (Adriatico Guest House - Giambiagi Lecture Hall)

Speaker: Piero Benvenuti (University of Padova, ITALY)

11:15 **Coffee Break 15'**

11:30 **General Discussion and Closure of the Conference 1h0'** (Adriatico Guest House - Giambiagi Lecture Hall)

Speaker: Moderator Alik Ismail-Zadeh

12:30 **LUNCH 1h30'** (Adriatico Guest House - Cafeteria)

14:00 **GeoUnions Meeting (by invitation) 1h30'** (Adriatico Guest House - Giambiagi Lecture Hall)

15:30 **Coffee Break 45'**

15:45 **GeoUnions Meeting (by invitation) 1h45'** (Adriatico Guest House - Giambiagi Lecture Hall)

Saturday, 7 November 2015

09:00 - 12:00

09:00 **GeoUnions Meeting (by invitation) 3h0'** (Adriatico Guest House - Lundqvist Lecture Hall)