

題名 ISWI Newsletter – Vol. 2 No. 80
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* I S W I = International Space Weather Initiative *
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Attachment(s):

(1) "Space Weather Modelling and Appl (Trieste)", 296 KB pdf, 4 pages.

Dear ISWI Participant:

Attached is the agenda for the upcoming
"Int'l Advanced School on Space Weather Modelling and Applications",
which will take place in Trieste, Italy, from 18-29 October 2010.

If you wish to publicize an event related to space weather, please
send your info to me as early as you can. I will be happy to get
your event some international exposure. Essentially, it is free
publicity for your event.

Most faithfully yours,
George Maeda
The Editor
ISWI Newsletter



The Abdus Salam
International Centre for Theoretical Physics



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International Advanced School on Space Weather Modelling and Applications

Cosponsor(s): EC COST Action ES0803 "Developing Products and Services for Space Weather in Europe", EC FP7 Project SOTERIA "SOLar-TERrestrial Investigations and Archives", National Institute for Astrophysics (INAF, Italy), European Space Agency (ESA)

Organizer(s): Directors: A. Belehaki, M. Messerotti, G. Lapenta, S. Radicella
Trieste - Italy, 18 - 29 October 2010

Venue: Adriatico Guest House Kastler Lecture Hall

Preliminary Programme

Monday, 18 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

18 October 2010

09:00 - 13:00 --- Registration with Secretary in Office N. 5 ---

13:00 - 14:00 --- Lunch Break ---

14:00 - 17:00 **Volker Bothmer** / *Institute for Astrophysics, University of Goettingen, Germany*
OPENING: Introduction to the Physics of the Sun, Heliosphere and Space Weather

Tuesday, 19 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

19 October 2010

09:00 - 13:00 **Giovanni Lapenta** / *Centre for Plasma Astrophysics, KU Leuven, Belgium*
Theoretical and Numerical Physics Based Models with Focus on the Issue of Modelling Fundamental Processes Crossing Multiple Scales (Kinetic to MHD)

13:00 - 14:00 --- Lunch Break ---

14:00 - 17:00 (Room: Adriatico Guest House Informatics Lab.)
David Berghmans and Daniel Seaton / *Royal Observatory of Belgium, Brussels, Belgium*
Tracking Solar Activity with Online Facilities

17:00 - 18:30 **Free Practice**

Wednesday, 20 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

20 October 2010

09:00 - 10:50 **Bernhard Kliem** / *University of Potsdam, Germany*
The Physics and Numerical Modelling of Coronal Mass Ejections

10:50 - 11:10 --- Coffee Break ---

11:10 - 13:00 **William Matthaeus** / *University of Delaware, USA*
Theory of Turbulence in Solar System Plasmas: Observations of Solar Wind Turbulence and Connections to MHD Relaxation, Intermittency and Dissipation

13:00 - 14:00 --- Lunch Break ---

14:00 - 17:00 (Room: Adriatico Guest House Informatics Lab.)
D. Berghmans and D. Seaton
Downloading and Handling Solar Data from Satellites

17:00 - 18:30 **Free Practice**

Thursday, 21 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

21 October 2010

09:00 - 13:00 **Susan McKenna-Lawlor*** and **Hannu Koskinen**** / **Space Technology Ireland; **University of Helsinki, Finland*
An Overview of Space Weather Phenomena that Effect Technological Systems and Humans

13:00 - 14:00 --- Lunch Break ---

14:00 - 15:00 (Room: Adriatico Guest House Informatics Lab.)
Mauro Messerotti / *Astronomical Observatory of Trieste and University of Trieste, Italy*
G-B Instrumentation for for Solar Observations

15:00 - 17:00 (Room: Adriatico Guest House Informatics Lab.)
Peter Stauning / *Danish Meteorological Institute, Copenhagen, Denmark*
G-B Instrumentation for Space Weather Observations in Geospace

17:00 - 18:30 (Room: Adriatico Guest House Informatics Lab.)
Free Practice

Friday, 22 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

22 October 2010

09:00 - 13:00 **Gabor Toth** / *University of Michigan, Ann Arbor, USA*
Adaptive Algorithms in the Space Weather Modelling Framework

13:00 - 14:00 --- Lunch Break ---

14:00 - 17:00 (Room: Adriatico Guest House Informatics Lab.)
Petra Vanlommel / *Royal Observatory of Belgium, Brussels, Belgium*
Monitoring and Predicting SpW in the Heliosphere: Operational Services

17:00 - 18:30 (Room: Adriatico Guest House Informatics Lab.)
Free Practice

Monday, 25 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

25 October 2010

09:00 - 10:50 **Jurgen Watermann** / *jfwConsult, La Tetrade, Tournettes, France*
Solar Wind-Magnetosphere-Ionosphere Coupling

10:50 - 11:10 --- Coffee Break ---

11:10 - 13:00 **Alan Aylward** / *University College London, UK*
Coupling between the Earth's Magnetospheric, Atmospheric and Ionospheric Regions and Comprehensive Modelling of the Sun-Earth Environment

13:00 - 14:00 --- Lunch Break ---

14:00 - 17:00 (Room: Adriatico Guest House Informatics Lab.)
Norma Crosby / *Belgian Institute for Space Aeronomy, Brussels, Belgium*
The European Space Weather Portal and SPENVIS

Tuesday, 26 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

26 October 2010

09:00 - 13:00 **Jean Lilensten** / *Laboratoire de Planetologie, Grenoble, France*
The Earth's Ionosphere and Thermosphere and Ionospheres of Other Planets

13:00 - 14:00 --- Lunch Break ---

14:00 - 17:00 (Room: Adriatico Guest House Informatics Lab.)
Robert Bentley / *University College London, UK*
The Role of Virtual Observatories in Space Weather and HELIO Use Cases

17:00 - 18:30 (Room: Adriatico Guest House Informatics Lab.)
Free Practice

Wednesday, 27 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

27 October 2010

09:00 - 10:50 **Ivan Kutiev** / *Bulgarian Academy of Science, Geophysical Institute, Sofia, Bulgaria*
The Earth's Plasmasphere and Topside Ionosphere

10:50 - 11:10 --- Coffee Break ---

- 11:10 - 13:00** **Ivan Kutiev**
Space Weather Empirical Modelling Techniques
- 13:00 - 14:00** --- Lunch Break ---
- 14:00 - 17:00** (Room: Adriatico Guest House Informatics Lab.)
Alexi Glover / *European Space Agency, Madrid, Spain*
Space Weather Monitoring for Space Weather Services
- 17:00 - 18:30** (Room: Adriatico Guest House Informatics Lab.)
Free Practice

Thursday, 28 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

28 October 2010

- 09:00 - 10:50** **Sandro Radicella** / *ICTP, Trieste, Italy*
Ionospheric Research with Satellite Derived TEC
- 10:50 - 11:10** --- Coffee Break ---
- 11:10 - 13:00** **Ioanna Tsagouri *** and **Bruno Zolesi **** / * *Institute for Space Applications and Remote Sensing, Athens, Greece;* ** *Istituto Nazionale di Geof*
Space Weather Empirical Modelling Techniques
- 13:00 - 14:00** --- Lunch Break ---
- 14:00 - 17:00** (Room: Adriatico Guest House Informatics Lab.)
Anna Belehaki * and **Bruno Zolesi **** / * *Institute for Space Applications and Remote Sensing;* ** *Istituto Nazionale di Geofisica, Rome, Ita*
Ionospheric Active Experiments and Monitoring Systems
- 17:00 - 18:30** (Room: Adriatico Guest House Informatics Lab.)
Free Practice

Friday, 29 October 2010 (Room:Adriatico Guest House Kastler Lecture Hall)

29 October 2010

- 09:00 - 10:50** **Esa Turunen** / *EISCAT Scientific Association, Kiruna, Sweden*
SpW Simulation Experiments on the Earth's Upper Atmosphere
- 10:50 - 11:10** --- Coffee Break ---
- 11:10 - 13:00** **Mauro Messerotti**
Direct Effects of Solar Radio Weather
- 13:00 - 14:00** --- Lunch Break ---
- 14:00 - 15:00** **Closing**