

題名 ISWI Newsletter – Vol. 2 No. 5  
差出人 George Maeda

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* ISWI Newsletter – Vol. 2 No. 5                15 January 2010 *
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*           I S W I = International Space Weather Initiative    *
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* This newsletter is published by Professor K. Yumoto          *
* - Director of SERC (www.serc.kyushu-u.ac.jp) at Kyushu University *
* - PI of the MAGDAS Project                                  *
* - Chair of ULTIMA (link near bottom of www.serc.kyushu-u.ac.jp) *
* under a mandate from the ISWI. The ISWI, in turn, is carried out *
* under a mandate from the United Nations and all its member states. *
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* "ISWI Steering Committee."                                  *
*                                                                 *
* For more information on the ISWI, please visit the ISWI website: *
*           www.iswi-secretariat.org                          *
* (The ISWI website is maintained independently of the ISWI Newsletter.) *
*                                                                 *
* The Editor-in-Chief of the ISWI Newsletter is Mr. George Maeda *
* (maeda@serc.kyushu-u.ac.jp). If you wish to contribute a piece to *
* the newsletter, you should write to him.                    *
*                                                                 *
* Views expressed in this newsletter do not necessarily reflect official *
* positions of the ISWI ---- unless expressly stated. This newsletter *
* does not have any fixed release schedule -- it is issued when the need *
* arises. It is archived at the ISWI website (see above for URL). *
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Attachment:  
232 KB pdf – COSPAR-related announcement for IMMEDIATE RELEASE.

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Dear ISWI Participant:

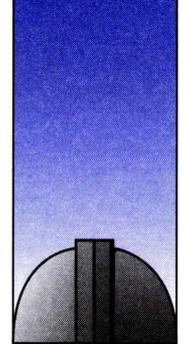
With great pleasure, I attach a Call For Papers for the upcoming COSPAR General Assembly in Bremen, Germany. The attached file was received from Dr Alexander Warmuth on 15 Jan 2010 (11:30 AM JST). An event of special interest to the space weather community is Session E25, "Energetic Processes in Solar Eruptive Events". Please have a look at this formal document.

Please note that thanks to our ISWI friends in Bulgaria, the "ISWI Newsletter" is fully archived at the ISWI website (www.iswi-secretariat.org). Note that the link used to provide attachments to the ISWI Newsletter is strictly temporary (one month or so). If you want to keep a pdf, better to save to your own PC's memory. Worst case, you can get the pdf from the ISWI website.

Respectfully yours,  
George Maeda  
Editor-in-Chief, ISWI Newsletter  
Fukuoka, Japan.

# ASTROPHYSIKALISCHES INSTITUT POTSDAM

AIP An der Sternwarte 16 D-14482 Potsdam



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**Call for papers: COSPAR Session E25  
"Energetic Processes in Solar Eruptive Events"  
38th COSPAR Scientific Assembly, 18-25 July 2010, Bremen, Germany**

Session organizers:

Main Scientific Organizer:

Alexander Warmuth (Astrophysikalisches Institut Potsdam, Germany)

Deputy Scientific Organizer:

Karl-Ludwig Klein (Observatoire de Paris, Meudon, France)

Dear Colleague,

we would like to invite you to submit your abstract to the session E25 "Energetic Processes in Solar Eruptive Events" of the 38th COSPAR Scientific Assembly to be held in Bremen, Germany (18-25 July, 2010).

Information concerning this event can be found on the web at:

<http://www.cospar-assembly.org/> and <http://www.cospar2010.org/index.html>

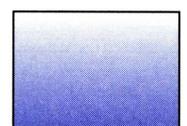
**ABSTRACTS DUE DATE:**

**February 19 2010 at the COSPAR website <http://www.cospar-assembly.org/>**

The Scientific Organizers, Alexander Warmuth and Ludwig Klein

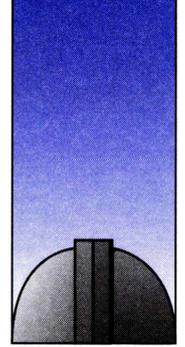
**Event description:**

In solar eruptive events, a large amount of stored magnetic energy is converted to thermal energy of hot plasmas and to kinetic energy of ejected matter and energetic particles. A significant fraction of the energy released is contained in nonthermal electrons and ions, which implies a pressing need to identify and understand the responsible energy release and particle acceleration processes. The most direct signatures of energetic particles at the Sun are observed in the gamma-ray, hard X-ray and radio regimes. These observations are complemented by imaging and spectroscopic data in the soft X-ray, (extreme) ultraviolet, and visual ranges, as well as by in-situ observations of solar energetic particles. A theoretical understanding of the physics of solar eruptions can only be achieved by considering all these different observational constraints. Therefore, the event will have an emphasis on complementary multiwavelength observations of eruptive events.



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Some of the topics to be discussed are constraints on particle acceleration from hard X-ray, gamma-ray and radio observations, particle transport models, spectroscopic information on flare plasma heating, new insights into CMEs from STEREO, and in-situ observations of solar energetic particles. A special session will be dedicated to the respective roles of energy release and particle acceleration occurring on large and small spatial scales, respectively. This event is sponsored by the German Aerospace Center DLR.

## Confirmed Invited Speakers:

Ayumi Asai (Nobeyama Solar Radio Observatory, National Astronomical Observatory of Japan)  
Markus Aschwanden (LMSAL, USA)  
John Brown (University of Glasgow, UK)  
James Drake (University of Maryland, USA)  
Wolfgang Droege (University of Wuerzburg, Germany)  
Gordon Hurford (SSL, UC Berkeley, USA)  
Sam Krucker (SSL, UC Berkeley, USA)  
Jun Lin (Harvard CfA, USA)  
Gottfried Mann (Astrophysikalisches Institut Potsdam, Germany)  
Viktor Melnikov (Central Astronomical Observatory at Pulkovo, Russia)  
Gerry Share (NRL, USA)  
Manuela Temmer (University of Graz, Austria)  
Nicole Vilmer (LESIA-Paris Observatory, France)

Questions about this session can be addressed to the organizers:

[awarmuth@aip.de](mailto:awarmuth@aip.de)

[ludwig.klein@obspm.fr](mailto:ludwig.klein@obspm.fr)

