

SHINE Newsletter, March 2, 2011

Hello Everyone,

The steering committee is starting the planning process for the sessions at next SHINE workshop. We have had a couple of exciting new sessions proposed and some continuing sessions from last year. Because of some logistical issues we did not run the workshop survey this year so if you have an opinion on what sessions you would like to see continued or discontinued please let me know.

In the meantime, remember that SHINE 2011 will be held at the Silvertree Hotel (<http://www.silvertreehotel.com>) in Snowmass, Colorado from July 11 to 15. Student day will be held Sunday July 10.

The SHINE website is now under new management with Katie Whitman of the IfA now taking the reins. Hopefully, this will be ready to go for processing SHINE 2011 in a couple of weeks.

Was also asked to let you know about a couple of items that you may also have seen in other newsletters – see below.

Cheers – David

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Heliophysics Summer School 2011

July 27 - August 03, Boulder, CO

Deadline is 01 April, 2011

2011 Heliophysics

Summer School Poster

Applications are invited for the 2011 Heliophysics Summer School, to be held in Boulder, Colorado. NASA Living with a Star sponsors the Heliophysics Summer Schools. The UCAR Visiting Scientist Programs office administers these schools for NASA. This series of summer schools helps graduate students and scientists learn and develop the science of heliophysics as a broad, coherent discipline that reaches in space from the Earth's troposphere to the depths of the Sun, and in time from the formation of the solar system to the distant future.

The first three schools produced textbooks for use at universities worldwide. The continuation of the school program each summer will teach new generations of students and develop the complementary materials that support teaching of heliophysics at both graduate and undergraduate levels.

The Summer School has two principal aims:

1. Deepen the appreciation of the basic science of heliophysics for a select group of students, as teachers take them through highly interactive seminars and hands-on working groups, and
2. Expand the newly-published textbook series to include labs, problem sets and background material, from which heliophysics may be taught at universities worldwide.

This year's program will focus on long-term processes, from the Sun's modulated activity to its influences on the climate systems of the heliosphere, Earth's atmosphere and planetary environments. This will draw material from the third volume of the textbook series, Heliophysics III: "*Evolving solar activity and the climates of space and Earth*" as well as basic material from the first volume: Heliophysics I: "*Plasma physics of the local cosmos*".

Approximately 30 students are selected through a competitive process organized by UCAR VSP. The school lasts for seven days, and each participant receives travel support for air travel, lodging and per diem costs.

Successful candidates are:

- Enrolled as a graduate student in any phase of training, or first or second year postdoctoral fellow.
- Majoring in physics with an emphasis on astrophysics, geophysics, plasma physics, and space physics, or experienced in at least one of these areas.
- Pursuing a career in heliophysics or astrophysics.

Deadline is 01 April, 2011

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The Center for Integrated Space Weather Modeling Summer School 2011

Space Weather Phenomena, Consequences, and Modeling of Reality, Harsh Reality,
and Virtual Reality

July 18 – July 29, 2011
Boston University

This year the Center for Integrated Space Weather Modeling (CISM) Summer School will be held at Boston University, July 18 – July 29, 2011. The two-week school will closely follow the model of the previous successful Summer Schools, which comprehensively immersed students in the subject of space weather, what it is, what it does, and what can be done about it. The CISM summer school supplements standard curricula relating to the physics, “meteorology”, and “climatology” of space with integrated overviews of the solar-terrestrial weather system from the Sun to the earth, its effects and consequences, and the state of the art in modeling it. A unique feature of the school is a series of three-hour computer labs where students use visualizations of computer model results being developed by CISM, along with data to understand the space environment and to make space weather predictions. The team of instructors will be led by Jeffrey Hughes (BU), and include experts from various institutions such as UCAR/HAO, SWPC and AFRL.

The school is intended primarily for students about to enter graduate school in the space sciences or early in their graduate careers. We encourage supervisors to recommend the school to their prospective or current students. However others with a professional interest in space weather have also attended and benefited from earlier schools. Further details and the application form (available beginning in March of 2011), including a request for financial support, can be found under Summer School on the CISM web site at <http://www.bu.edu/CISM/>. Applications are due by May 1. CISM is an NSF Science and Technology Center.

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Call for Nominations for the 2011 Sunanda and Santimay Basu Award

The Space Physics and Aeronomy (SPA) Section of the American Geophysical Union (AGU) is seeking nominations for the Sunanda and Santimay Basu Award in Sun-Earth Systems Science. This award is presented annually to honor an individual young scientist from a developing nation for making outstanding contributions to research in Sun-Earth Systems Science that further the understanding of both plasma physical processes and their applications for the benefit of society. The award is open to scientists who received their Ph.D. degree after 1 June 2004 and currently live and work in developing nations. Consideration is to be given to candidates who have overcome obstacles in attaining their research objectives.

The Space Physics and Aeronomy Section will invite the recipient to present a paper at AGU's Fall Meeting in San Francisco, California. Travel funds and living expenses will be provided to attend the meeting, where the recipient will also receive a certificate of appreciation and three years' membership to AGU. The award will be presented at the SPA dinner, for which the awardee will receive a complimentary ticket. The awardee will also be announced in *Eos*.

Nominations should be prepared by an AGU member or other geoscientist who is knowledgeable of the candidate's qualifications and include the following information:

- nominator's name and title, address and contact numbers;
- nominee's name and title, institutional affiliation, and address;
- a statement (not to exceed 2 pages) of the action(s) or achievement(s) for which the candidate is nominated;
- two letters of support from AGU members or from other recognized geoscientists belonging to institutions other than that of the nominee;
- a curriculum vitae (not to exceed 3 pages).

A list of previous recipients of the award can be found at:

[http://www.agu.org/about/honors/section fg/spa/](http://www.agu.org/about/honors/section_fg/spa/)

The deadline for receipt of the nomination package is **15 May 2011**.

Send nominations to:

American Geophysical Union
Attn: Danica Williams, Member Relations Coordinator
2000 Florida Avenue, NW
Washington DC 20009 USA
Tel: +1-202-777-7513
E-mail: dwilliams@agu.org

You can also contact the Chair of the Sunanda and Santimay Basu Award Committee with questions: Professor David Hysell (david.hysell@cornell.edu)