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 ISWI Newsletter - Vol. 5 No. 010
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          I S W I = International Space Weather Initiative
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(1) "swx_flyer_2013", 743 KB pdf, one page.
                      Los Alamos Space Weather Summer School
                      June 3 - July 26, 2013
                      Los Alamos National Laboratory
                      New Mexico State, USA
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Dear ISWI Participant:

I pass along a space weather school announcement from Messrs. Josef Koller and Russ Terry; their flyer is attached as a pdf.

It is our pleasure to announce the 2013 sessions of the Los Alamos Space Weather Summer School June 3 - July 26, 2013.

The sumer school has been established to bring together top science students in space physics, planetary sciences, aerospace engineering, or a related field, with internationally recognized LANL scientists. Students will receive a prestigious Vela Fellowship worth \$10,000 to cover relocation costs and living expenses. The program will include an exciting research project and daily lectures by LANL scientists. Please find more program information at http://spaceweatherschool.org

Mentors and advisors may nominate their top graduate students. The program is open to US and non-US citizens. The deadline for all application material is Feb 15th, 2013. Applications will be reviewed by a panel and notifications of acceptance will be sent by March 1, 2013.

We are now on facebook http://www.facebook.com/SpaceWeatherSchool and twitter http://twitter.com/#!/SpWxSchool

We are looking forward to welcoming your student in Los Alamos. Please don't hesitate to contact us if you have questions.

Sincerely, Josef Koller and Russ Terry

George MaedaThe EditorISWI Newsletter



Los Alamos Space Weather Summer School June 3 – July 26, 2013

Los Alamos National Laboratory, New Mexico

http://spaceweatherschool.org

The Los Alamos Space Weather Summer School is accepting applications for its summer 2013 session. This summer school, sponsored by the Institute of Geophysics and Planetary Physics at Los Alamos National Laboratory (LANL), brings together top space science graduate students and LANL's internationally renowned space scientists to work on challenging space weather topics and instrumentation. Students receive a prestigious Vela Fellowship, technical training, and professional development seminars.

The Space Weather School includes a wide range of topics including:

- Plasma physics
- Numerical modeling
- Spacecraft charging
- Orbital drag modeling
- Radiation belts
- Solar wind physics
- Instrumentation
- Data assimilation

It was an honor to be here and meet great scientists... I learned a lot through the classes and from working with my mentor.

—Sun Hee Lee, University of Alaska, Fairbanks, 2011 participant

Possible research projects include:

- PIC code simulation of whistler turbulence
- Solar energetic particle events
- Magnetospheric magnetic field during the substorm growth phase
- Third adiabatic invariant L* and radiation belt modeling
- Substorm injections and EMIC waves
- Scintillating and solid-state radiation detectors
- Thermospheric density and satellite drag modeling

Experience – Students attend a variety of lectures on current space weather research topics and gain valuable hands-on laboratory skills. This program also provides students with opportunities to develop their written and oral communication skills, including resume writing and presenting.

Students – The program is open to U.S. and foreign graduate students in space physics, planetary sciences, aerospace engineering, or a related field. Program acceptance is based on the student's academic record and nomination letter.

More information and how to apply – Please visit the Space Weather School website at http://spaceweatherschool.org for more information. Applications can be sent as email attachments to swx-school@lanl.gov.

Please include the following material with your application:

- 1. Application form (available online)
- 2. Cover letter describing your interests, possible project ideas, and mentor requests
- 3. Current resume
- 4. Transcripts
- 5. Nomination letter from your advisor
- 6. Two additional letters of recommendation (students at non-US institutions only)

Applications must be received by *Feb. 15, 2013*. Acceptance notifications will be sent by *March 1, 2013*.

Questions regarding this program can be sent to summer school director Josef Koller at jkoller@lanl.gov.