The ISUenergy 2011 highlights

ISUenergy 2011 will provide students with a solid foundation in renewable energies (especially photovoltaics and solar thermal technologies), solar architecture and social-economical aspects. Well-known scientific researchers from leading universities and institutes will give lectures covering a wide range of topics on the principles of solar energy conversion.

Theoretical knowledge will be complemented with practical workshops (table experiments) in the first week and creative group projects (e.g. building a solar oven or installation of a LED lightening system) in the second week with special emphasis on hands-on experience. Overall ISUenergy 2011 will be two weeks of highly intensive training in the interdisciplinary areas of renewable energies.

Accommodation is arranged in fully-equipped cosy holiday flats with fellow students which stimulates information transfer and networking among participants. Furthermore, the great location of Flims/Laax/Falera allows you to enjoy plenty of outdoor activities during your recreational time.
International Summer University on Energy: Renewable Energies III

The International Summer University on Energy (ISUenergy 2011) invites you to participate in two unforgettable weeks to learn, experience and enjoy a series of seminars on renewable energy in the Swiss Alps. The school integrates different academic fields such as Physics, Material Science, Material Engineering, Sociology, Political Science and Economics and it follows the successful ISUenergy 2009 and ISUenergy 2010.

The ISUenergy 2011 will provide students a solid foundation in photovoltaics and solar thermal technologies. Well-known researchers and scientists from leading universities and institutes will give lectures covering a wide range of topics on the principles of solar energy conversion. Theoretical knowledge will be complemented with practical workshops with special emphasis on hands-on experience. 

Subjects of the school are:
- Solar cells & materials, photovoltaic systems and applications
- Low and high temperature solar thermal
- Solar architecture
- Geothermal energy
- Energy Storage
- Political, social and economical aspects of renewable energies

Who should you apply?
- ISUenergy 2011 offers you excellent training in an international and interdisciplinary setting. It allows you to grasp issues and topics in a comprehensive way with distinguished, yet easily approachable instructors.
- ISUenergy 2011 allows for a transfer of 3 ECTS points to your home university.
- ISUenergy 2011 is a platform to gain knowledge and networks with scholars and students in the field of renewable energies.
- ISUenergy 2011 allows for recreational time to enjoy numerous fun outdoor activities in the gorgeous landscape of the Swiss Alps.

Who can enrol? Application
The school primarily addresses students at Master level or to Diploma students (also young PhD students are welcomed) who prove to have an outstanding performance. You should be highly motivated and interested in renewable energy systems. As the ISUenergy 2011 is interdisciplinary, participants from different academic fields are encouraged to enrol.

In order to be able to judge on your qualification, please apply online at our homepage by clicking on ‘Application’. You are requested to fill in the online form on our homepage plus to submit a short statement that justifies favorable consideration as a participant, your curriculum vitae and your certificates. Applications before 15th May 2011 get a reduction of tuition.

Accommodation & Tuition
You will be accommodated in Falera in cosy holiday flats with fellow students. The flats are fully equipped with kitchen, private bedrooms, and bathroom.

ISUenergy 2011 enjoys financial support from several partners. Therefore a very competitive tuition fee of 300 € (application before 15th May 2011) / 350 € (application after 15th May 2011) for Master or Diploma students and 650 € (application before 15th May 2011) / 750 € (application after 15th May 2011) for graduates is charged. This fee includes the expenses for accommodation, lunch, as well as coffee breaks during the working week. Travel expenses, breakfast and dinner are not included.

Homepage & Contact
www.helmholtz-berlin.de/events/isu-energy
www.helmholtz-berlin.de/events/isu-energy/index_de.html

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E-mail: isue@helmholtz-berlin.de

Tentative schedule

<table>
<thead>
<tr>
<th>Session</th>
<th>So 21 Aug</th>
<th>Mo 22 Aug</th>
<th>Tu 23 Aug</th>
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<tr>
<td>9:00 – 10:40</td>
<td>PV - cells &amp; modules (Dr. Wagner)</td>
<td>PV - cells &amp; modules II (Dr. Wagner)</td>
<td>Centralized solar thermal systems I (Prof. Pitz-Paal)</td>
<td>Centralized solar thermal systems II (Prof. Pitz-Paal)</td>
<td>PV - systems &amp; components I (Prof. Baumgartner)</td>
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<td>10:50 – 12:30</td>
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<td>14:15 – 15:55</td>
<td>Centralized solar thermal systems II (Prof. Pitz-Paal)</td>
<td>Centralized solar thermal systems III (Prof. Pitz-Paal)</td>
<td>Centralized solar thermal systems IV (Dr. Lauermann)</td>
<td>Centralized solar thermal systems V (Dr. Lauermann)</td>
<td>Centralized solar thermal systems VI (Dr. Lauermann)</td>
<td>Centralized solar thermal systems VII (Dr. Lauermann)</td>
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<td>16:00 – 17:40</td>
<td>Practical workshop</td>
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<td>18:15 (public lecture)</td>
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<td>9:00 – 10:40</td>
<td>PV - cells &amp; modules I (Prof. Wagner)</td>
<td>PV - systems &amp; components I (Prof. Baumgartner)</td>
<td>Energy Access and Development in developing countries (Prof. Kennedy)</td>
<td>Energy Access and Development in developing countries II (Prof. Kennedy)</td>
<td>Energy Access and Development in developing countries III (Prof. Kennedy)</td>
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<td>14:15 – 15:55</td>
<td>Solar architecture II (Prof. Thoni)</td>
<td>Solar architecture III (Prof. Schwarz)</td>
<td>Solar architecture IV (Prof. Thoni)</td>
<td>Solar architecture V (Prof. Schwarz)</td>
<td>Solar architecture VI (Prof. Schwarz)</td>
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<tr>
<td>16:00 – 17:40</td>
<td>Excursion</td>
<td>Group project</td>
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<td>Presentation of group projects</td>
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<td>18:15 (public lecture)</td>
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ISUenergy 2011 takes place in Falera (near Chur, Flims/Laax), Switzerland. It starts on 21st August 2011 at 6 pm and continues until 2nd September 2011. Departure is scheduled for 3rd September 2011 in the morning. All seminar lessons and sessions will take place in the conference center La Fermata in Falera.