

STYRIAN ACADEMY FOR SUSTAINABLE ENERGIES
INTERNATIONAL SUMMER SCHOOL 2012



‘SOCIETAL ENERGY’

The STYRIAN ACADEMY International Summer School 2012 on Societal Energy will specifically address the aspect of the change towards sustainable energy systems. The capacity to understand the societal forces at work in the change from fossil to renewable energy systems will become crucial for future leaders in business, politics, and academia.

Master and PhD Students of different fields of study are invited to register. Your project could be dealing with renewable energy systems, their economic, social, cultural impact as well as with implementation of renewable energy systems in concrete contexts, capacity building for renewable energy systems, etc.

Each Day of the STYRIAN ACADEMY International Summer School 2012 on Social Energy is dedicated to a special approach to the general topic.

There is enough time to contact the lecturers of the day and to work on the particular project.

For Master and PhD students, decision-makers-to-be in the 21 century, it is essential to include social aspects of the energy change seamlessly in their projects and research efforts, learning to integrate interdisciplinary knowledge in their solutions.

10 great benefits for you:

- 1 project for each participant will be developed and published on the website
- 8 top international lecturers from Norway, Denmark, the Netherlands, Ireland, Germany, Scotland and the European Commission
- 11 top Austrian experts
- 19 lectures and workshops
- 12 days to spend with peers
- 12 days full-board and lodging
- 1 whole day technical visit at a styrian solar engineering company specialising in all aspects of large-scale solar thermal energy plants
- 1 whole day project management and writing EU proposals, and how to get them accepted
- 1 guided city tour
- 6 ECTS-credits

All these benefits are available for only €600 (€400 for students of eseia member universities).

INFORMATION AND REGISTRATION

For further information please visit <http://styrianacademy.eu>

Deadline for registrations: 31 May 2012

COST €600 (€400 for students of eseia member universities) including lectures, supporting material, accommodation, meals, excursion and social events. For questions, please contact styrianacademy@tugraz.at

ADMISSION

The STYRIAN ACADEMY strives to attract highly motivated students with technical, economical or social science background at the master or PhD level. Each student must apply for participation providing her or his résumé as well as an outline of a particular problem that s/he wants to elaborate during the Summer School. Forms for application and formulation of the project are supplied on the website of the STYRIAN ACADEMY.

ORGANISATIONAL DETAILS

Submission of applications will be available via the STYRIAN ACADEMY website <http://styrianacademy.eu>. Deadline for registrations: 31 May 2012. A total of 20 slots will be available; admission will be on a competitive basis. Participants will be admitted by 6 June 2012. The cost of participation in the Summer School is € 600,-- (€ 400,-- for students of eseia member universities), including lectures, supporting material, accommodation, meals, excursions and social events.

3 scholarships will be available on a competitive basis. For questions, please contact styrianacademy@tugraz.at.

SCIENTIFIC COORDINATORS

Michael Narodoslawsky, Graz University of Technology, Austria
Maarten Arentsen, University of Twente, The Netherlands

LECTURERS

The Summer School convenes the following top international lecturers (in alphabetical order):

Carlo Åall, Vestlandforskning, Norway

Maarten Arentsen, University of Twente, The Netherlands

Marina Fischer-Kowalski, Institute of Social Ecology Vienna (SEC), Austria,

Günter Getzinger, IFZ, Austria

Ronald Gjurkowitsch, EXAA, Austria

Andrea Gössinger-Wieser, Styrian appointee for climate protection, Austria

Urs Harnik-Lauris, Energie Steiermark, Austria

Frede Hvelplund, Aalborg University, Denmark

Martin Huemer, European Commission

Thomas Krautzer, Federation of Styrian Industries, Austria

Klaus Loenhardt, Graz University of Technology, Austria

Niels Meyer, Technical University of Denmark, Denmark

Gerard Mullally, University College of Cork, Ireland

Michael Narodoslawsky, Graz University of Technology, Austria

Leopold Neuhold, University of Graz, Austria

Audun Ruud, SINTEF, Norway

Miranda Schreurs, EEAC, EU

Gernot Stöglehner, University of Natural Resources and Life Science Vienna, Austria

Richard Wheeler, Edinburgh Scientific, Great Britain

INTERNATIONAL SUMMER SCHOOL 2012:
'SOCIETAL ENERGY'

Time: 02 - 13 July 2012
Venue: Fachschule für Land- und Ernährungswirtschaft Haidegg,
Ragnitzstraße 193, 8047 Graz, Austria

DAY 1: MONDAY, 2 JULY 2012, 09:00 – 17:00
INTRODUCTION AND FRAMEWORK

- 08:00 – 09:00 Registration
- Morning session*
- 09:00 – 09:45 Welcome Speech by Michael Narodoslawsky, Scientific Coordinator of the Summer School
Welcome Speech by Siegfried Schrittwieser, Vice-Governor of Styria
- 09:45 – 10:15 Coffee break
- 10:15 – 12:30 Introduction of the Participants and their Projects
- 12:30 – 13:30 Lunch break
- Afternoon session*
- 13:30 – 14:15 Andrea Gössinger-Wieser, Climate Protection Coordinator, Government of Styria
Societal Challenges of Climate Change and "Energiewende"
- 14:15 – 15:00 Workshop led by Andrea Gössinger-Wieser
- 15:00 – 15:30 Coffee break
- 15:30 – 16:15 Thomas Krautzer, Federation of Austrian Industries in Styria
Industry and Society on their Way towards a Sustainable Energy Future
- 16:15 – 17:00 Workshop led by Thomas Krautzer
- 18:30 Summer School Opening Dinner

DAY 2: TUESDAY, 3 JULY 2012, 09:00 – 18:00
SOCIETAL ASPECTS OF ENERGY IN EUROPE

Morning session

- 09:00 – 09:45 Audun Ruud, Sintef, Norway
Norway on its Way towards Sustainable Energy
- 09:45 – 10:30 Workshop led by Audun Ruud
- 10:30 – 11:00 Coffee break
- 11:00 – 11:45 Frede Hvelplund, Aalborg University, Denmark
Transition to Renewable Energy Systems and the Need for Innovative Democracy
- 11:45 – 12:30 Workshop led by Frede Hvelplund
- 12:30 – 13:30 Lunch break

Afternoon session

- 13:30 – 14:15 Günter Getzinger, IFZ - Inter University Research Centre for Technology, Work and Culture, Austria
Energy Poverty
- 14:15 – 15:00 Workshop led by Günter Getzinger
- 15:00 – 15:30 Coffee break
- 15.30 – 18.00 Individual Contacts with Lecturers about Own Projects

DAY 3: WEDNESDAY, 4 JULY 2012, 09:00 – 18:00
ENERGY, SOCIETY AND POLITICS IN EUROPE

Morning session

- 09:00 – 09:45 Miranda Schreurs, EU, EEAC (tbc)
Will European Policy Rise to the Challenge of Energy Change?
- 09:45 – 10:30 Workshop led by Miranda Schreurs
- 10:30 – 11:00 Coffee break
- 11:00 – 11:45 Marina Fischer-Kowalski, Institute of Social Ecology Vienna (SEC), Austria
Energy and Society: The Great Transformation
- 11:45 – 12:30 Workshop led by Marina Fischer-Kowalski
- 12:30 – 13:30 Lunch break
- Afternoon session*
- 13:30 – 14:15 Niels Meyer, TU Denmark
Transformation to a 100 % Renewable Energy System - Denmark as a Case Study
- 14:15 – 15:00 Workshop led by Niels Meyer
- 15:00 – 15:30 Coffee break
- 15:30 – 18:00 Individual Contacts with Lecturers about Own Projects
- Evening Event: Garden Talk*
- 19:00 – 22:00 Winners, Silent Beneficiaries and Losers of the Energy Wende
Venue: Aula Graz University of Technology, Rechbauerstraße 12/I, 8010 Graz

DAY 4: THURSDAY, 5 JULY 2012, 09:00 – 18:00
BOTTOM-UP ENERGY POLITICS

Morning session

09:00 – 09:45 Gerard Mullally, University of Cork, Ireland
Energy and Society - An Irish Perspective

09:45 – 10:30 Workshop led by Gerard Mullally

10:30 – 11:00 *Coffee break*

11:00 – 11:45 Carlo Aall, Vestlandforskning, Norway
How to Decrease Stationary Household Energy Use - The Norwegian Case

11:45 – 12:30 Workshop led by Carlo Aall

12:30 – 13:30 Lunch break

Afternoon session

13:30 – 14:15 Maarten Arentsen, Twente University, Netherlands
Community Initiatives for Renewable Energy

14:15 – 15:00 Workshop led by Maarten Arentsen

15:00 – 15:30 Coffee break

15:30 – 18:00 Individual Contacts with Lecturers about Own Projects

DAY 5: FRIDAY, 6 JULY 2012, 09:00 – 18:00
TECHNOLOGY AND SOCIETY

Morning session

- 09:00 – 09:45 Martin Huemer, European Commission, DG Research and Innovation
European SET-Plan - Implementing Renewable Energies in Europe
- 09:45 – 10:30 Workshop led by Martin Huemer
- 10:30 – 11:00 *Coffee break*
- 11:00 – 11:45 Urs Harnik-Lauris, Energie Steiermark
Hydro Power and Society - The Case of the City of Graz
- 11:45 – 12:30 Workshop led by Urs Harnik-Lauris
- 12:30 – 13:30 Lunch break

Afternoon session

- 13:30 – 15:00 Individual Contacts with Lecturers about Own Projects
- 15:00 – 15:30 *Coffee break*
- 15:30 – 18:00 Work on Own Projects

DAY 6: MONDAY, 9 JULY 2012, 09:00 – 18:00
ENERGY, SPATIAL PLANNING, LANDSCAPE

Morning session

- 09:00 – 09:45 Michael Narodoslowsky, Graz University of Technology, Austria
Ressource Planning in Regions
- 09:45 – 10:30 Workshop led by Michael Narodoslowsky
- 10:30 – 11:00 *Coffee break*
- 11:00 – 11:45 Gernot Stöglehner, University of Natural Resources and Life Science, Vienna, Austria
Energy Spatial Planning
- 11:45 – 12:30 Workshop led by Gernot Stöglehnerl
- 12:30 – 13:30 Lunch break
- Afternoon session*
- 13:30 – 14:15 Klaus Loenhart, Graz University of Technology, Austria
Urban Areas and Energy Change
- 14:15 – 15:00 Workshop led by Klaus Loenhart
- 15:00 – 15:30 Coffee break
- 15:30 – 18:00 Individual Contacts with Lecturers about Own Projects

DAY 7:

TUESDAY, 10 JULY 2012, 09:00 – 18:00
STUDY TRIP

09:00 – 15:00

Technical Visit at *S.O.L.I.D. Solarinstallation + Design*

S.O.L.I.D. is an Austrian solar engineering company specialising in all aspects of large-scale solar thermal energy plants. Since 1992, S.O.L.I.D. has been planning, building, delivering, assembling and operating large-scale solar plants (exceeding 100 m²) around the world, providing hot water, heating rooms, and supplying process heat, including district heating. S.O.L.I.D. also designs and builds solar chilled water plants, including the largest commercial solar cooling projects currently in operating. With its unmatched experience in design and operation of large-scale solar plants, S.O.L.I.D. is both a pioneer and one of the world's leading companies in the solar industry.

S.O.L.I.D. only uses products that conform to the very latest state-of-the-art. The company's flagship product is the "Gluatmugl" solar collector, which has already won several awards.

By offering the most advanced remote control and maintenance systems available, S.O.L.I.D. will, at the customer's request, assume responsibility for ensuring efficient and optimised operation of the solar plant.

S.O.L.I.D. is an integral constituent and an initiator of numerous research and development projects, ranging from completed International Energy Agency tasks to other ongoing R+D initiatives – our know-how is in demand!

We boast an international network with local partners in many countries around the world.

15:00 – 15:30

Coffee break

15:30 – 18:00

Work on Own Projects

DAY 8: WEDNESDAY, 11 JULY 2012, 09:00 – 18:00
IMPLEMENTING ENERGY PROJECTS

Morning session

09:00 – 09:45 Richard Wheeler, Edinburgh Scientific, United Kingdom

Success with EU Proposals

09:45 – 10:30 Workshop led by Richard Wheeler

10:30 – 11:00 *Coffee break*

11:00 – 11:45 Richard Wheeler, Edinburgh Scientific, United Kingdom

EU Project Management

11:45 – 12:30 Workshop led by Richard Wheeler

12:30 – 13:30 Lunch break

Afternoon session

13:30 – 15:00 Individual Contacts with the Lecturer about Own Projects

15:00 – 15:30 Coffee break

15:30 – 18:00 Work on Own Projects

DAY 9: THURSDAY, 12 JULY 2012, 09:00 – 18:00
IMPLICATIONS OF THE ENERGY WENDE

Morning session

- 09:00 – 09:45 Leopold Neuhold, Graz University, Austria
Ethic Aspects of Renewable Energy Systems
- 09:45 – 10:30 Workshop led by Leopold Neuhold

10:30 – 11:00 *Coffee break*

- 11:00 – 11:45 Ronald Gjurkowitzsch, EXAA - Energy Change Austria, Austria
Economic Aspects of Electricity from Renewable Resources
- 11:45 – 12:30 Workshop led by Ronald Gjurkowitzsch

|

12:30 – 13:30 Lunch break

Afternoon session

- 13:30 – 14:15 Michael Narodoslowsky, Graz University of Technology, Austria
Ecological Truths and Myths of Renewable Energy
- 14:15 – 15:00 Workshop led by Michael Narodoslowsky

15:00 – 15:30 Coffee break

15:30 – 18:00 Individual Contacts with Lecturers about Own Projects

DAY 10: FRIDAY, 13 JULY 2012, 09:00 – 14:00
PROJECT PRESENTATIONS AND FAREWELL

Morning session

09:00 – 10:30	Project Presentations by the Participants, Part 1
10:30 – 11:00	<i>Coffee break</i>
11:00 – 12:00	Project Presentations by the Participants, Part 2
12:00 – 12:30	Round up
12:30 – 13:30	Lunch break
13:30 – 14:00	Farewell