

Organizing Committee

- Prof. Dr. Iqrar Ahmad Khan (Sitara-e-Imtiaz), Vice Chancellor, University of Agriculture, Faisalabad
- Prof. Dr. Oliver Hensel, University of Kassel, Germany
- Prof. Dr. Muhammad Iqbal, Dean, Faculty of Agricultural Engineering & Technology, UAF
- Prof. Dr. Asif Ali, Director, ORIC, University of Agriculture, Faisalabad
- Prof. Dr. Allah Bakhsh, Chairman, Deptt. of Irrigation & Drainage, UAF
- Prof. Dr. Muhammad Younis, Director Students Affairs, UAF
- Prof. Dr. Ashfaq Ahmed Chattha, Director External Linkages, UAF
- Prof. Dr. Manzoor Ahmad, Deptt. of Farm Machinery & Power, UAF
- Prof. Dr. Muhammad Arshad, Deptt. of Irrigation & Drainage, UAF
- Dr. Abdul Nasir, Chairman, Deptt. of Structures & Environmental Engineering, UAF
- Dr. Muhammad Azam Khan, Associate Prof./Coordinator Food Engineering, UAF
- Dr. Abdul Ghafoor, Conference Secretary, Deptt. of Farm Machinery & Power, UAF
- Engr. Muhammad Tayyab, Lab Engineer, Deptt. of Farm Machinery & Power, UAF
- Engr. Syed Nabeel Husnain. Lab Engineer, Deptt. of Farm Machinery & Power, UAF

Chief Organizer

Dr. Anjum Munir

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(Please feel free to ask for further details about conference participation.)



International Conference on

“Renewable Energy Technologies in Pakistan”

Organized by: University of Agriculture, Faisalabad-Pakistan
& University of Kassel-Germany | October 1-3, 2013 | 09:00 am



Faculty of Agricultural Engineering & Technology
University of Agriculture, Faisalabad-Pakistan

www.uaf.edu.pk

INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY TECHNOLOGIES IN PAKISTAN

Rationale

Energy needs are indelibly linked to Pakistan's economic and sustainable growth capabilities. Pakistan has been in increasing demand across various areas of energy sources. Given the need for energy, the Government of Pakistan is doing its utmost efforts to explore and promote renewable energies and energy efficiency. Potential for almost all types of renewable energies exists in the country viz. solar (PV and thermal), wind, biogas, micro-hydel/canal-fall, biodiesel production, biomass/waste to energy production, geothermal, tidal/ocean energies etc. On an average solar global insolation $5-7 \text{ kWh m}^{-2} \text{ day}^{-1}$ exists in the country over 95% of its area. Wind speed $5-7 \text{ ms}^{-1}$ persists in coastal regions of Sindh and Baluchistan provinces and in a number of North-West Frontier Valleys. According to a survey, Pakistan possesses more than 20,000 MW of economically viable wind power potential. Moreover, 720 million kg day^{-1} animal dung can produce 1243 MW of electricity while 81 million tons of biomass can contribute significantly for energy production without harmful effects on the environment. The International Conference on Renewable Energy Technologies would go a long way in the mitigation of energy deficient scenario in Pakistan.

Objectives

- Dissemination of knowledge to the stakeholders (students, researchers, end-users etc.) about renewable energy technologies viz. Solar thermal and solar PV, Wind, biogas, and biomass etc.
- Capacity building of students, trainers and entrepreneurs for appropriate selection and operation of efficient, economical and environment friendly renewable energy technologies acceptable to end-users

Conference Thematic Areas

- Innovative technologies in solar thermal heating and cooling
- Off-grid and on-grid solar PV systems for household and industrial applications (including solar pumping systems)
- Challenges/Impediments in the implementation of biogas technology in Pakistan
- Sustainable Power generation from agricultural wastes/ biomass and bio-diesel
- Energy production potential in wind/hydel/geo-thermal and fuel cells

German Academic Exchange Service (DAAD)

- The German Academic Exchange Service (DAAD) is the largest funding organization in the world supporting the international exchange of students and scholars.
- Since it was founded in 1925, more than 1.5 million scholars in Germany and abroad have received DAAD funding.
- This International Conference on Renewable Energy Technologies in Pakistan is funded under the DAAD project entitled "German Pakistan Research Collaboration" operated by Prof. Dr. Oliver Hensel (Germany) & Dr. Anjum Munir (Pakistan).



Program Schedule

October 01, 2013 (Tuesday)

- Welcome Address by Prof. Dr. Iqrar Ahmad Khan (S.I), Vice Chancellor, UAF
- Address by Prof. Dr. Oliver Hensel and Mr. Wolfgang Scheffler, Germany
- Address by Honorable Chief Guest
- Oral presentations (Two sessions)

October 02, 2013 (Wednesday)

- Oral Presentations (Two sessions)
- Poster Presentations

October 03, 2013 (Thursday)

- Students presentations
- Visit of UAF Biogas Plant
- Visit of Solar Distillation Plant and Rosa Lab, Solar Roaster and Solar Tunnel Dryer
- Visit to PARS, UAF and Faisalabad City for International delegation

Eminent International Speakers

- Prof. Dr. Oliver Hensel, Renewable Energy Expert, University of Kassel, Germany
- Mr. Wolfgang Scheffler, Director, Simply Solar, Germany
- Ms. Heike Hoedt, Vice President, Simply Solar, Germany
- Mr. Christian Schellert, Solar drying pumping and simulation, Germany
- Dr. Franz Roman, Expert of solar drying modeling and simulation, Germany
- Prof. Dr. Hubert Leitner, CEO, Leitner solar Ag, Italy
- Prof. Dr. Rainer Kertess, CEO, STCS Ag, Switzerland
- Prof. Dr. Anton Josef Hotz, CAE Ag solar and wind, Germany
- Mr. Daniele Marrazzi, Deputy CEO, Leitner solar Ag, Italy
- Dr. Muhammad Afzal, Director, Canada