



Role of Renewable Energy Technology for Rural Development

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Announcement and Call for papers for Second International Conference on Renewable Energy Technology for Rural Development

12-14 October 2003
Kathmandu, Nepal

Organised by
[Center for Energy Studies, Institute of Engineering,](#)
Tribhuvan University
&
Nepal Solar Energy Society

Introduction:

Renewable Energy Technology (RET) can play an important role in fulfilling the growing need of the technologically advanced world of today. The conventional energy resources are rapidly being consumed in the developed countries, while many developing countries still lack reliable energy supply system. Some RETs are considered to be mature, environmentally sound and highly appropriate for such developing countries.

The first conference, RETRUD-98, helped in exchanging experience and information in this field. This second conference, RETRUD-03, is expected to contribute in exploring the existing engineering educational activities, disseminating successful RETs undertaken in the participating countries and developing closer cooperation among them.

Conference Themes:**Technical**

- Technology, Applications, R&D, Micro-hydropower, Solar Thermal, Solar Photovoltaic, Biomass/Biogas, Wind and Geothermal, Passive Solar Energy in building, Thermal insulation.
 - Quality Control and Certification for durable RET applications
 - RET related energy auditing

Policy/Institutional Issues/Management

- Barriers to the adoption of sustainable RET
 - Integration of RETs in national energy systems
 - Technically and financially sustainable deployment mechanisms of RETs
- Role of government, non government and community based organizations for the development and management of RETs
 - RETs for environmental protection and poverty reduction and gender issues
 - Financial issues on RETs applications and end uses; Finance schemes for small loans for RETs

- CDM Credits

Educational & Information Dissemination

- Engineering education on RET
- Information, Dissemination, Awareness, Promotion of RET
- Academic Curriculum Development
- Poster Shows on RETs

Abstract:

Must be written in English, should be about 500 words in length, must contain a full list of author/s with address/es, fax number/s and e-mail/s, must be sent soft copies in MS Word or PDF format to the conference secretariat. (Papers based on case studies are preferred)

Key Dates:

22 July 2003	-	Last date for receiving abstracts
30 July 2003	-	Notification of preliminary acceptance of abstracts
15 September 2003	-	Final date for receipt of camera ready full paper

Note : The Official Language of the Conference will be English.

Registration Fee

Early Registration Fee

Delegates from NEPAL	:	NRs.	2500.00
Delegates from SAARC countries	:	US \$	40.00
Delegates from other countries	:	US \$	100.00

Payment should be made in favour of RETRUD-03.

Late Registration Fee

Add 25% more for registration, after August 31, 2003.

Registration includes: Proceedings, tea breaks, lunches, conference bag, programme bulletin, welcome reception, closing reception.

[Click here for Registration Online](#)

Conference Venue

Institute of Engineering, Pulchowk Campus, Lalitpur, Nepal

Visa

Delegates can easily obtain 2 months Nepal visa at the airport in Kathmandu at US \$ 30.

Hotel Accommodation

From US\$ 20 to US\$ 150 per night per person (one star to five star hotel). Please contact Conference Secretariat for hotel reservation at least 2 months in advance.

Address for Correspondence : Conference Secretariat

Prof. J. N. Shrestha, Chairman, Organising Committee, RETRUD-03

Institute of Engineering,

GPO Box 1175, Kathmandu, Nepal

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Student Volunteers: Mr. B. Giri, Mr. N. Bhattarai, Mr. S. Pradhan, Mr. S. Shakya



Role of Renewable Energy Technology for Rural Development

Preface and Acknowledgements

The unforgettable bitter lesson from the oil crisis of 1973 is that fossil fuels will neither be inexhaustible nor cheap. As a result, both the developing and developed countries have been suffering from this crisis.

Many countries have ever since continued in search of economically feasible energy alternatives based on renewable energy sources. These include Solar Energy – Photovoltaic and Solar Thermal Biomass, Micro / Small Hydro Power, Wind Energy, Geothermal, Ocean Energy and Hydrogen Energy. Due to continuous application of renewable energy in the last few years, it now constitutes more than 5% of the electricity generation worldwide. In times to come, concern of potential climatic change and carbon dioxide emission are going to be major issues for further widespread application of renewable energy technology. By 2050, more than 30% of the electricity worldwide may be generated from renewable energy sources.

In this context, with a high priority to the development of renewable sources of energy in their programmes, Alternative Energy Promotion Centre/ Ministry of Science and Technology, Institute of Engineering / Tribhuvan University and Nepal Solar Energy Society decided to organise an International Conference on the 'Role of Renewable Energy Technology for Rural Development' to familiarize the participants on the latest developments in renewable energy systems in the participating countries and identify specific areas for future cooperation.

Since the areas of various renewable energy sources are being wide and multi-disciplinary, it was not possible to cover them all properly in one conference. This is why, the organizers have given priority to those sources of renewable energy which were based on case studies and are being adopted by all concerned.

Finally with hearty cooperation from all concerned, we have been able to complete the proceedings of the conference. The proceedings contain altogether 57 papers and 4 talks submitted by authors of 21 countries namely Bangladesh, Belgium, Canada, Denmark, France, Germany, India, Italy, Israel, Japan, Nepal, New Zealand, Norway, Pakistan, Papua New Guinea, Singapore, South Africa, Sri Lanka, Thailand, U.K. and USA. Besides there were participants from Maldives, Netherlands and Sweden. We thank all authors and reviewers for their enthusiastic response and support. Above all, our sincere thanks are always due to the participants from all nook and corners of the world.

We record deep sense of appreciation and gratitude to all the members of the Steering, Advisory and Organising Committees of the conference for their invaluable guidance and help in conducting this conference.

We would like to express our special thanks to rapporteurs of the conference Dr. J. R. Abasthi and Mr. R. A.

Giri. We are also very grateful to Mr. S. L. Shrestha, Mr. M. G. Pradhan and Mr. Narendra Amatya for their assistance in getting the proceedings published. Likewise, we cannot remain without expressing our special thanks to the conference secretarial staff for their untiring effort in bringing out the proceedings in this form.

We are also very grateful to co-sponsors: SNV Netherlands Development Organisations, Royal Danish Embassy, Kathmandu, REDP / UNDP, NREL / US-DOE, ICTP/Italy, WECS, ICIMOD and others.

Finally we express our sincere gratitude to Mr. M. D. Rana, Managing Director of Ying Yang Travels (Pvt.) Ltd. for taking responsibility of managing all the matters relating to the successful completion of the conference.

- THE ORGANISERS