

## The 5<sup>th</sup> International Conference on Developments in Renewable Energy Technology-2018 (ICDRET'18)

March 29-31, 2018 | Kathmandu University, Dhulikhel, Nepal

<http://www.ku.edu.np/icdret2018>



**Hosted by**  
Kathmandu University

**Organized by**  
School of Engineering, Kathmandu University

**Organizing Partner**  
Alternative Energy Promotion Center (AEPC)

**Supported by**  
University Grants Commission (UGC)  
Nepal Academy of Science and Technology (NAST)

**Technically Co-sponsored by**  
IEEE Power and Energy Society (IEEE PES)

**Organizing Committees**

### Advisory Chairs

Bhupendra Bimal Chhetri, Kathmandu University, Nepal  
 Bim Prasad Shrestha, Kathmandu University, Nepal  
 Ram Prasad Dhital, Alternative Energy Promotion Center, Nepal  
 Madan Lal Shrestha, Nepal Academy of Science & Technology, Nepal  
 Sudeep Thakuri, Tribhuvan University, Nepal  
 Kedar Rijal, Tribhuvan University, Nepal  
 Tri Ratna Bajracharya, Tribhuvan University, Nepal  
 David Infield, University of Strathclyde, UK  
 Phil Eames, Loughborough University, UK  
 Ing. Kai Strunz, Technical University, Germany  
 Thorsten Lutz, University of Stuttgart, Germany  
 Peter Adelman, University of Applied Sciences ULM, Germany  
 Dirk Uwe Sauer, Aachen University, Germany  
 Hansjorg Gabler, ZSW, Germany  
 Syed Islam, Curtin University of Technology, Australia  
 Konrad Blum, University of Oldenburg, Germany  
 Ali Akbar Akbarzadeh, RMIT University, Australia  
 Mohd Yusof Hj. Othman, National University of Malaysia, Malaysia  
 Kamaruzzaman Sopian, National University of Malaysia, Malaysia  
 Shyam S. Nandwani, Universidad Nacional, Costa Rica  
 Nowshad Amin, National University of Malaysia, Malaysia  
 Nowsher Ali Morol, KUET, Bangladesh  
 Quamrul Ahsan, BUET, Bangladesh  
 R. Natarajan, VIT University, India  
 Kuruvilla Mathew, Murdoch University, Western Australia  
 Ahmad Hourri, Lebanese American University, Lebanon  
 M.M. Ardehali, Amirkabir University of Technology, Iran  
 Biswajit Ghosh, Jadavpur University, India  
 Mohammed Hamidul Haque, Nanyang Tech. University, Singapore  
 Monjur Morshed, Loughborough University, UK  
 Dipal C. Barua, Bright Green Energy Foundation  
 Detlev Heinemann, University of Oldenburg, Germany  
 Martina Schäfer, Technical University Berlin, Germany  
 Amit Kumar, The Energy & Resources Institute (TERI)  
 Daniel Kammen, University of California, Berkeley

**Organizing Committee Chair**  
Ramesh Kumar Maskey, Kathmandu University, Nepal

**Organizing Committee Co-Chair**  
Brijesh Adhikary, Kathmandu University, Nepal

**Technical Program Chair**  
Prabal Sapkota, Kathmandu University, Nepal

**Social Event Chair**  
Nabindra Paudyal, Kathmandu University, Nepal

**Publicity Chair**  
Rajesh Shrestha, Kathmandu University, Nepal

**Publication Chair**  
Hem Raj Kafle, Kathmandu University, Nepal

**Registration Chair**  
Maresh Shah, Kathmandu University, Nepal

**Local Arrangement Chairs**  
Mahendra Niroula, Kathmandu University, Nepal  
 Sushil Shrestha, Kathmandu University, Nepal

**Local Administration Chair**  
Surendra K.C., Kathmandu University, Nepal

**Finance Chair**  
Chandeswor Shrestha, Kathmandu University, Nepal

**Web Service Chair**  
Manoj Shakya, Kathmandu University, Nepal

The 5<sup>th</sup> International Conference on Developments in Renewable Energy Technology -2018 (ICDRET'2018) will be held in Kathmandu University, Dhulikhel, Nepal from March 29 to 31, 2018. ICDRET'2018 will provide a leading edge scholarly forum for researchers, engineers, and students alike to share their state-of-the-art research and development works, new ideas and breakthroughs in all area of Renewable Energy Technologies (RETs). Prospective authors are invited to submit their papers reporting original works as well as tutorial overviews. The submission deadline for full papers (**within 5 pages**) and short papers (**2 pages**) is December 31, 2017. Topics for regular sessions include, but are not limited to, the followings:

### -Energy Sources and System

Solar Energy  
 Wind Energy  
 Hydroelectric Energy  
 Geothermal Energy  
 Biomass Conversion  
 Biofuel  
 Hydrogen and Fuel Cells  
 Recycling  
 Wave Energy  
 Tidal Energy

-RETs Equipment

-Energy Management System

-Environmental Issues of RETs

-RETs Demand & Economic Growth

-Policy Constraints on Fossil Fuels

-RETs Market

-RETs and Materials

-New Trends & Technologies for RETs

-Performance Analysis of RETs

-Policies & Strategies for RETs

-Recent Trends & Advances in RETs

-Energy Transform from/to RETs

- Safety and Security of RETs

-Power Electronics Devices & System for RETs

-Future challenges & directions for RETs

-Smart Grid Technologies & Application

-Hybrid Renewable Energy System

-New Approaches in Lightning

-Energy Storage

-Public Awareness & Education for RETs

### Important Dates

- Deadline for proposals for special session: November 30, 2017
- Deadline for submission of full/short papers: December 31, 2017
- Notification of acceptance: January 15, 2018
- Deadline for submission of camera ready paper: January 31, 2018

### Paper Submission and Publications

- Authors are invited to submit full/short papers that have neither been published elsewhere nor being currently under review by another conference or journal.
- Papers must be submitted electronically via the (LINK) following the author guidelines available on the conference website.
- Authors are expected to present their papers at the conference upon acceptance and presenting authors are required to register for the conference.
- All presented papers in the conference will be published in the proceedings of the conference and submitted to the IEEE Xplore Digital Library.
- Some papers will be selected for possible publication in peer-reviewed journals after the conference.

For special session proposals and secretarial inquiries, contact **Dr. Anup Thapa (General Secretary)** at [anup.thapa@ku.edu.np](mailto:anup.thapa@ku.edu.np)