

November 24-26, 2018

Ramada Plaza Toronto Hotel

Address: 300 Jarvis Street, Toronto, Ontario, M5B 2C5, Canada

<http://www.ramadaplazatoronto.com/>

2018 IEEE International Conference on Renewable Energy and Power Engineering (REPE 2018)

Technical Sponsored



Patrons



Smart Energy Systems Lab



Instructions

Registration Guide:

Arrive at the Conference Venue→Inform the conference staff of your paper ID→Sign your name on the Participants List→Check your conference materials.

Checklist:

1 receipt, 1 name card, 1 printed conference abstract, 1 lunch coupon, 1 dinner coupon, 1 computer bag, 1 USB stick (paper collection).

Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation:

Regular Oral Session: 15 Minutes of Presentation including 2-3 Minutes of Q&A

Notice:

*Certificate of Listener can be collected in the registration counter.

*Certificate of Presentation can be collected from the session chair after each session.

*The organizer will not provide accommodation, so we suggest you make an early reservation.

*One best presentation will be selected from each session. The best one will be announced when each session ends, and will be awarded by the session chair after each session in the meeting room.

Contact:

REPE 2018

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Welcome Message from General Chair

World is witnessing major changes in energy and power technologies to cope with climate changes, community development and financial mandates. The 2018 IEEE International Conference on Renewable Energy and Power Engineering (REPE) is welcoming researchers, scientists, engineers, technologists, professionals from industry, and regulators from government as well as technology providers to join our event in Toronto from 24-26 Nov, 2018. REPE 2018 will provide opportunities for discussions about methods, technologies, systems and best practices in the different areas of renewable energy and power engineering from different places around the world. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business cases or research relations and to find global partners for future collaboration.

Conference organizers are welcoming you all at REPE and wish you a pleasant stay in Toronto and fruitful discussions in the different sessions of REPE 2018.

The Technical Programme Committee of REPE has assembled an excellent programme comprising of 2 excellent Keynote Speeches and 2 Plenary Talks from renowned scientists from the world, 3 parallel technical sessions comprising of 2 oral sessions and 1 poster session. A total of 45 papers were selected from 67 original contributions after a rigorous review process reflecting a high rejection rate of more than 32.8%.

On behalf of the Organizing Committee, I wish to thank the keynote speakers, invited speakers and authors of selected papers for their outstanding contributions. I would also like to thank members of the organizing committee, all reviewers and volunteers for their great efforts. Without their contribution, dedication and commitment, we would not have achieved so much. We sincerely hope that you will find the REPE 2018 beneficial and fruitful for your professional development. We also hope that you will enjoy our hospitality and will have an enjoyable and memorable time in Toronto.

General Chair, REPE 2018

Professor Hossam A. Gabbar

University of Ontario Institute of Technology, Ontario, Canada

Conference Committees

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Muhammad Arfin Khan Lodhi, Texas Tech University, USA

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Prokash C. Roy, Jadavpur University, India

Min-Hao Yuan, China Medical University, Taiwan

Chinnathan Areeprasert, Kasetsart University, Thailand

Arquimedes Ruiz-Columbie, Texas Tech University, USA

Abdul Waheed Badar, HITEC University, Pakistan

R. K. Mandloi, M. A. National Institute of Technology (MANIT), India

Yang Li, Sichuan University, China

Agenda Overview

Saturday, November 24, 2018

13:30-17:00 **Participants check-in & Materials Collection—Lobby**

Sunday, November 25, 2018

Venue: Ballroom AB

09:00-09:05 **Opening Remark**
Prof. Dr. Hossam Gaber, University of Ontario Institute of Technology, Canada

09:05-09:45 **Speaker I**
Prof. Muhammad Arfin Khan Lodhi, Texas Tech University, USA
Speech Title: An Integrated Approach to Respond to Energy-Pollution Challenge

09:45-10:25 **Speaker II**
Prof. Dr. Hossam Gaber, University of Ontario Institute of Technology, Canada
Speech Title: Flywheel-Based Hybrid Energy Storage Platform for Resilient Energy and Transportation Infrastructures

10:25-10:45 **Coffee Break and Group Photo-Foyer**

10:45-11:25 **Speaker III**
Prof. Mingcong Deng, Tokyo University of Agriculture and Technology, Japan
Speech Title: Operator Based Nonlinear Control System Design and Its Application on Wireless Power Transfer System

11:25-12:05 **Speaker IV**
Prof. Adel Sharaf, University Newbrunswick, Canada
Dr. Mohammed Abouheaf, University of Ottawa, Canada
Speech Title: New Control Strategy for Doubly Fed Wind Schemes

12:05-13:30 **Lunch at Courtyard Room**

Parallel Sessions

13:30—15:15 Session 1: Power Engineering and Power Grid Design

Ballroom AB PE1001, PE016, PE039, PE048, PE066, PE1002, PE014

15:15—15:45 *Coffee Break-Foyer*

15:45—17:30 Session 2: Solar and Energy Engineering

Ballroom AB PE006, PE015-A, PE020, PE027, PE041, PE046-A, PE050

18:00—20:00 *Dinner at Courtyard Room*

Monday, November 26, 2018

One Day Tour in Toronto