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From: INREC'12 Conference <inrec12@just.edu.jo>
Sent: Monday, January 09, 2012 7:52 AM
To: secretariat@inrec-conf.org
Cc: INREC'12 Conference
Subject: [MyColleagues] Short extension to paper submission DEADLINE -- INREC'12

At the request of many colleagues world wide, in light of the holiday season, we are leaving the submission website (inrec12.trackchair.com) for INREC'12 open until January 27, 2012... We can receive few more papers, which should give interested authors/audience some more room to submit their work.

Apologies if you receive multiple copies of this solicitation email...

Dear Colleague:

Welcome to the 2nd International Nuclear & Renewable Energy Conference (inrec12.inrec-conf.org), INREC'12, slated to take place March 19 -22, 2012 in Amman, Jordan.

This INREC features special sessions on topics of immediate interest to researchers, students and people on the field. With carefully selected tutorials, graduate students and audience from all walks of engineering will find just the right place to learn about new developments in the areas of Nuclear and Renewable Energy, Desalination, and integration technologies being used in today's rapidly progressing world. This year we have (are) invited (inviting) key people from the academia, industry, government agencies and NGO's from across the world to give keynote speeches on the latest issues, developments and ongoing research endeavors in the diverse areas of Nuclear, Renewable and Sustainable forms of energy.

INREC of this year is being co-organized by the Nuclear, Plasma and Radiological Engineering Department of the University of Illinois at Urbana Champaign, and the College of Engineering at Jordan University of Science & Technology. This conference is being technically co-sponsored by the Power and Energy Society of IEEE, the American Nuclear Society, the Canadian Nuclear Society, and the European Nuclear Society, amongst others.

As you attend the numerous useful activities being catered for by INREC, you will also have this unique opportunity to visit and tour many places of historical interest to many and others that are quite scenic to the tourist...

INREC'12 is the second of a planned series of biennial meetings focusing on the practical aspects of carbon-free energy forms (nuclear and renewables). The meeting covers the synergetic integration of renewable energy and nuclear engineering with electrical power production, coupling to existing power grids and the design of smart grid systems, to intelligent instrumentation and control, and monitoring of processes relevant to radiation safety and nuclear safeguards. Research work addressing other carbon-free energy forms are also welcome. Topics of interest include, but not limited to:

Nuclear Reactor Technology

- ❖ *Instrumentation & control*
- ❖ *Reactor design, simulation & modeling*
- ❖ *Accidents, risk management and scenario assessment*
- ❖ *Reactor physics*
- ❖ *Thermal hydraulics*

Education & training

- ❖ *Application of technology in training & education*
- ❖ *Simulators*
- ❖ *Workforce development*

Policy studies & issues

- ❖ *Energy Management*
- ❖ *National policies on renewable energy sources*
- ❖ *Energy and the Environment*
- ❖ *Energy Analysis*
- ❖ *Waste management*
- ❖ *Fuel Handling & reprocessing*
- ❖ *Environmental impacts*
- ❖ *Nonproliferation issues*
- ❖ *Safety of nuclear systems*
- ❖ *Professional ethics*

Nuclear radiation and shielding

- ❖ *Radiation monitoring*
- ❖ *Shielding and protection*
- ❖ *Nuclear medicine and isotope-based treatment*
- ❖ *Health physics*

Nuclear physics

- ❖ *Accelerators*
- ❖ *Cross sections*
- ❖ *Radiation detection technology*

Nuclear power in developing countries

- ❖ *Financing*
- ❖ *Fuel management*
- ❖ *Training and education*
- ❖ *Associated academic programs*
- ❖ *Research reactors*
- ❖ *Production of radioisotopes for peaceful applications*

Renewable Energy Technologies

- ❖ *Wind mills and coupling to power grids*
- ❖ *Solar energy collection, systems & storage*
- ❖ *Hydropower*
- ❖ *Biofuels*
- ❖ *Geothermal energy*
- ❖ *Conversion Process for Biomass and Biofuels*
- ❖ *Ocean energy*
- ❖ *Concentrated solar power*
- ❖ *Carbon Sequestration*

Water, Hydrogen and energy storage

- ❖ *Desalination technologies*
- ❖ *Water transport*
- ❖ *Hydrogen production, transport and storage*
- ❖ *Batteries & fuel cell technologies*
- ❖ *Power conversion technologies*
- ❖ *Energy storage control & demand*

Sustainable energy

- ❖ *Nuclear renaissance*
- ❖ *Fusion energy*
- ❖ *Renewables and sustainability*
- ❖ *Carbon signature*
- ❖ *Fuel recycling and waste disposal*
- ❖ *Oil shale*
- ❖ *Integration & storage of renewable energy systems*
- ❖ *Green building and intelligent building*

Hybridization Technologies

- ❖ *Energy Source Integration*
- ❖ *Planning for Optimization*
- ❖ *Selection Strategies for Hybridization*
- ❖ *Efficacies of Hybridizing Solar and Wind Energy*
- ❖ *Other Hybridization Techniques*

Water Desalination

- ❖ *Conventional Desalination Technologies*
- ❖ *Systems of Scale*
- ❖ *New Generation of Desalination Technologies*
- ❖ *Residential vs. National Desalination Systems*

❖ *Management of Brine and Brackish Waters*

❖ *Desalination Energy Consumption*

❖ *Applications of Nanotechnology in Water Desalination*

Prospective participants of INREC'12 are invited to submit their full papers using our TrackChair online submission system at: <http://inrec12.trackchair.com>. Authors should follow the guidelines posted on the conference website: [http://inrec12.inrec-](http://inrec12.inrec-conf.org/default.aspx?id=submission)

[conf.org/default.aspx?id=submission](http://inrec12.inrec-conf.org/default.aspx?id=submission).

Submitted papers will be peer-reviewed.

Accepted and presented papers will be published in the proceedings of the INREC'12

conference. Further publication of select papers presented at the conference will be considered in one or more of reputable energy and Desalination journals; further information on this will follow. The organizing committee welcomes proposals for special sessions and tutorials/workshops to be held in conjunction with INREC'12. Please send your proposals by email to: rizwan@illinois.edu. Proposals should, also, be Cc'ed to secretariat@inrec-conf.org.

A poster session will also be organized to report latest research/project findings. Abstracts of presented posters will be compiled in a separate booklet. There will be a best poster competition.

Important Deadlines

Full papers submission:
Tutorial and special session proposals:
Notification of Acceptance:
Final accepted papers submission:
Submission of poster presentations

November 10th, 2011
November 14th, 2011
December 31st, 2011
January 20th, 2012
November 19th, 2011

Welcome to INREC'12, as we look forward to your participation and to meeting each one of you in March 2012. **PLEASE FEEL FREE TO CIRCULATE TO YOUR DEPARTMENT, STUDENTS, AND PEOPLE IN YOUR CIRCLE/s.**

On Behalf of the Conference Chairs, Technical Chairs and co-Chairs:

Mohammed A. Khasawneh, IEEE/ACM Senior Member, Member of ANS, MAA, and NYAS
INREC'12 Conference Chair

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