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Conference Correspondence

Please address all correspondence regarding the conference to

Dr. Xianguo Li

Department of Mechanical Engineering
University of Waterloo

Waterloo, Ontario N2L 3G1 Canada

Tel.: (519) 888-4567; Fax: (519) 888-6197

E-mail: x6li@uwaterloo.ca

or

Dr. Ibrahim Dincer

Faculty of Engineering and Applied Science
University of Ontario Institute of Technology
Oshawa, Ontario L1H 7L7 Canada

Tel: (905) 721-3209; Fax: (905) 721-3140

E-mail: ibrahim.dincer@uoit.ca

Conference Website: www.igec.uwaterloo.ca

Announcement and Call for Papers

International Green Energy Conference

(IGEC-1)

2005



Organized by



**The Advanced Energy Systems (AES)
Division of the Canadian Society for
Mechanical Engineering (CSME)**

In Cooperation With

Association of Energy Engineers (AEE)
International Association for Hydrogen Energy

June 12-16, 2005

Waterloo, Ontario

Canada

Conference Objectives

The International Green Energy Conference (IGEC) is a multi-disciplinary international conference on the use of energy with no or reduced environmental impact and will provide a forum for the exchange of latest technical information, for the dissemination of the high-quality research results, for the presentation of the new developments in the area of energy and environment and for the debate and shaping of future directions and priorities in sustainable development and energy security.

The conference will be of particular value and interest to researchers, scientists, engineers and practitioners who are working in the relevant field of energy and environment, from policy making, technical development to management and marketing.

Venue

The conference will be held at the University of Waterloo, Waterloo, Ontario, Canada. Established in 1957, the University is one of the leading postsecondary institutions in Canada, known for its undergraduate co-op program, the largest of its kind in the world, and for the innovation of its faculty and students. Located in the Southwestern Ontario, approximately an hour drive away from Toronto and three hours drive away from Detroit, Waterloo is situated in the heart of Canada's Technology Triangle area, known for its high-tech industry.

Important Dates

Dec. 01, 2004: Short abstract due (via e-mail)

Dec. 15, 2004: Abstract acceptance notified

March 01, 2005: Full paper due (via e-mail)

Apr. 15, 2005: Paper acceptance notified

Conference Topics

Green energy may be defined as the form and utilization of energy with no, minimal, or reduced negative environmental and societal impact, or simply as environmentally friendly energy use. Therefore, papers on related topics are solicited from all relevant disciplinary areas, ranging from new concepts, modeling, experiments, to computational simulation. The topical areas of interest include, but are not limited to:

- Energy education
- Energy policy and planning
- Energy conversion and management
- Exergy and thermodynamic optimization
- Advanced energy systems
- Fuel cells
- Hydrogen energy
- Renewable and clean energy technologies
- Energy systems modelling and optimization
- Energy and environment
- Energy and sustainability
- Energy security
- Environmentally friendly energy technologies
- Energy resources and their efficient use
- Alternative and hybrid energy systems.
- Energy economics
- Energy and industrial ecology
- Energy and life cycle analysis
- Green power production and cogeneration
- Energy storage techniques
- Green buildings
- Environmental impact and climate change
- Pollutant emission, control and abatement
- Nuclear energy

Conference Format

The conference will be composed of the following events and activities:

- General contributed papers that will be presented orally in technical sessions;
- Keynote papers by invited speakers;
- Panel sessions on special topics of particular interest;
- **Canada Fuel Cell Network Forum**;
- **A workshop on hydrogen and fuel cells** (organized by P. Bénard and R. Varin).

Further there will be book/journal exhibition and social events for the conference delegates.

Conference Proceedings

All papers will be screened and reviewed by the conference technical and organizing committees under the direction of the International Scientific and Advisory Committee. All accepted papers, will be published in the Proceedings of the Conference which will be available during the Conference and included in the registration package.

Journal Publication

High-quality original papers of archival value will be considered for publication in prestigious international journals (e.g., The CSME Transactions, International Journal of Green Energy, International Journal of Energy Research, International Journal of Exergy, etc.).

Registration Fee

Full Delegate: \$500 (before May 1, 2005)
\$550 (after May 1, 2005)

Student Delegate: \$250 (before May 1, 2005)
\$300 (after May 1, 2005)