

INTERNATIONAL CONFERENCE ON HYDROGEN PRODUCTION

ICH2P-15

May 3-6, 2015

UOIT, Oshawa, Ontario, Canada



Goals - The International Conference on Hydrogen Production (ICH2P-09) is a multi-disciplinary international conference on the production of hydrogen through various thermal, chemical, biological and other methods, as well as its use in various systems, including fuel cells. It will provide a forum for the exchange of latest advances and technical information, dissemination of new research developments in the areas of hydrogen production and usage, and debate involving the future directions and priorities in the hydrogen economy for a sustainable future. The conference will have particular value and interest to researchers, scientists, engineers and practitioners who are working in the field of hydrogen production technologies, ranging from policy making and technical development to management and marketing. There will be a particular emphasis placed on thermochemical and nuclear-based hydrogen production.

Format - The format of ICH2P-15 will be arranged with the following major elements as general papers presented in oral sessions, keynote papers by invited speakers, and panel discussions and specialized sessions on selected topics. There will also be exhibitions, social events and pre- and post-symposium tours. High quality papers of archival value will be considered in extended form for publication in various reputable international journals.

Venue- The conference will be held at the University of Ontario Institute of Technology (UOIT) in Oshawa, Canada. UOIT is a technology-focused and market-driven institution that is actively pursuing inquiry, discovery and innovation through excellence in teaching and learning, value-added research and vibrant student life.

Situated at the eastern edge of the Greater Toronto Area, Oshawa is a dynamic and vibrant city. Oshawa is the flagship city in one of the fastest growing regions in Canada. It is home to the country's newest university and one of the finest colleges in Ontario, a beautiful harbor on Lake Ontario, a state-of-the-art hospital, attractive shopping centers and new sports, recreational and cultural complexes.

Conference Chair: I. Dincer

Honorary Chair: T. N. Veziroglu

Executive Committee:

I. Dincer, UOIT, Canada

K. Gabriel, UOIT, Canada

G.F. Naterer, Memorial University, Canada

B.V. Reddy, UOIT, Canada

M.A. Rosen, UOIT, Canada

Organizing Committee:

C. Acar, UOIT, Canada

C.O. Colpan, Dokuz Eylul University, Turkey

M.A. Ezan, Dokuz Eylul University, Turkey

J. Hogerwaard, UOIT, Canada

O. Kizilkan, SDU, Turkey

H. Ozcan, UOIT, Canada

E. Secnik, UOIT, Canada

Z. Wang, UOIT, Canada

C. Zamfirescu, UOIT, Canada

Important Dates

November 15, 2014: One-page abstract due (through website)

November 31, 2014: Notification of abstract acceptance (via e-mail)

January 31, 2015: Full manuscript due (through website)

February 28, 2015: Notification of manuscript acceptance (via e-mail)

Conference Topics - The themes of the conference will cover topics ranging from the conversion of fossil fuels to the use of renewable energy sources and nuclear power for hydrogen production. Fossil fuel conversion includes processes for the gasification of coal and biomass, thermochemical systems such as steam-methane reforming, and photochemical systems. The electricity produced from renewable energy sources, or nuclear power, could be used to generate hydrogen by the electrolysis of water, and the development of these technologies will be included.

The conference will cover broad areas that extend beyond technical areas, to policy making, hydrogen infrastructure development, environmental concerns, regulatory actions, standards development, safety, storage, commercialization, education, training, and so forth. Therefore, papers on related topics are solicited from all relevant disciplinary areas, including new concepts, modeling, experiments, and simulations. The topics of the conference include, but are not limited to:

- Codes and standards
- Education and training for hydrogen
- Electrolysis
- Energy security related to hydrogen
- Environmental impact
- Fuel cells
- Global warming
- Government policies on hydrogen
- Greenhouse gas mitigation by hydrogen
- Hydrogen economy
- Hydrogen infrastructure
- Hydrogen production methods
- Hydrogen safety
- Hydrogen storage
- Hydrogen technologies
- Hydrogen vehicles
- International perspectives on hydrogen
- Life cycle assessment
- Life cycle costing
- Materials for hydrogen systems
- Modeling and simulation
- Nuclear-based hydrogen production
- Renewables and their use for hydrogen
- Sustainable development
- Thermochemical and hybrid cycles