The **objective** of the IAHE is to advance the day when hydrogen energy will become the principal means by which the world will achieve its long-sought goal of abundant clean energy for mankind. Toward this end, the IAHE stimulates the exchange of information in the hydrogen energy field though its publications and sponsorship of international workshops, short courses, symposia, and conferences. In addition, the IAHE endeavors to inform the general public of the important role of hydrogen energy in the planning of an inexhaustible and clean energy system.

**INSIDE THIS ISSUE**

- Highlights from the *International Journal of Hydrogen Energy*
- News from new student chapters
- Summary of NHA report on future energy scenarios
- Commentary on new IAHE Developments
- Upcoming meeting calendar

Highlights from Articles Published in the IJHE

The International Journal of Hydrogen Energy provides scientists and engineers throughout the world with a central vehicle for the exchange and dissemination of basic ideas in the field of hydrogen energy. The emphasis is placed on original research, both analytical and experimental, which is of permanent interest to engineers and scientists, covering all aspects of hydrogen energy, including production, storage, transmission, utilization, as well as the economic, environmental and international aspects. When outstanding new advances are made, or when new areas have been developed to a definitive stage, special review articles will be considered. As a service to readers, an international bibliography of recent publications in hydrogen energy is published quarterly.

MOST HIGHLY CITED IJHE ARTICLES

   Ahmed, S., Krumpelt, M.

RECENTLY PUBLISHED IJHE ARTICLES

1. Hydrogen production from biomass combining pyrolysis and the secondary decomposi- tion, Baofeng Zhao, Xiaodong Zhang, Li Sun, Guangfan Meng Lei Chen, and Yi Xiaolu
2. Durability of a Ni based monolithic catalyst in the autothermal reforming of biogas, Sa-dao, Araki, Naoe, Hino, Takuma, Mori, Susumu, Hikazudani
3. A density functional study of small Li–B and Li–B–H clusters, E.K., Yildirim, Z.B., Güvenç

TOP IJHE DOWNLOADS (OCT.-DEC. 2008)

3. Advances in biological hydrogen production processes Volume 33, Issue 21, Pages 6046-6057.

The IJHE article: From hydrocarbon to hydrogen-carbon to hydrogen economy by N. Z. Muradov and T. N. Veziroglu, Vol. 30, Issue 3, pp. 225-237, 2005 has been identified by Thomson Reuters’ Essential Science Indicators to be one of the most cited papers in the research area of "Hydrogen Economy". A Q&A with lead author Nazim Muradov is featured on the sciencewatch.com Fast Moving Article website at:
NEWS FROM IAHE AFFILIATES

CALL FOR NEW STUDENT CHAPTERS
The IAHE is presently calling for the development of student chapters all over the world. To begin a chapter at your school, a faculty leader and interested students are needed. Student membership in IAHE is free, and the IAHE can support chapter start-up costs. Students and faculty all over the world will be electronically linked as part of a connected network through this activity. The IAHE will be offering video-based webinars for the chapters, a student hydrogen design competition, collected and shared information, student and faculty service awards, and other unique networking and educational opportunities. If you have interest, please contact Prof. Matthew Mench at mmm124@psu.edu for information. Already, student chapters are in the planning stages at over a dozen Universities in the United States, Canada, South Korea, Turkey, and elsewhere! Join us.

NEWS FROM STUDENT CHAPTERS
The IAHE recently added a Student Chapter at Penn State University. The first official meeting took place March 26. Over 55 undergraduate and graduate students from various departments across the campus have become student members of the IAHE so far. Students with interests or research work in microbial fuel cells, hydrogen storage, hydrogen combustion, energy economics, and others areas have joined. During the Fall term, the student chapter will participate in a hydrogen design competition, sponsor various social events, host guest speakers, and network with the other IAHE student chapters worldwide. For more information, contact Chapter President A. K. Srouji at ams808@psu.edu

IAHE Affiliates
The IAHE has organizational affiliate organizations worldwide. To see a complete listing, please go to: www.iahe.org

The IAHE also seeks to further develop and promote hydrogen-based organizations worldwide. For more information on collaboration opportunities, please contact Matthew Mench at mmm124@psu.edu

Students at the Penn State IAHE Student Chapter Inaugural Meeting
News of Meetings, Activities and Workshops

Report on 2009 National Hydrogen Association Meeting


In this report, the NHA compared the future economic, imported oil requirements, and net pollution outcomes for several types of alternative transportation, including plug-in hybrids, hybrids, hydrogen internal combustion engines, and fuel cells. The results were quite convincing: Only hydrogen fuel cells offer the greatest cost and pollution benefits to society in the long term, and can provide near energy independence for the US by 2060.

The report concluded that a automotive market dominated by fuel cells would:

- Reduce greenhouse gases to 80 percent below 1990 levels.
- Allow the USA to achieve energy quasi-independence by 2060.
- Save the USA more than $600 billion per year by 2100 through a reduction in the societal costs associated with passenger vehicle transportation system.

IAHE MEETINGS

The 3rd World Hydrogen Technology Conference (WHTC)
August 26-29, 2009
New Delhi, India

The 18th World Hydrogen Energy Conference (WHEC)
May 16-21, 2010
Essen, Germany
Conference Web Site: [http://www.18whec2010-germany.de/](http://www.18whec2010-germany.de/)

OTHER H2 MEETINGS

Hydrogen + Fuel Cells 2009: International Conference and Trade Show
May 31st-June 3, Vancouver, Canada

10th Chinese H2 Energy Conference
September 18-20, 2009
Nankai University Tianjin (China)
European Fuel Cell Forum 2009
June 28-July 2, 2009

6th International Hydrogen and Fuel Cell Expo—FC EXPO 2010
March 3-5 2010
Tokyo, Japan
[http://www.fceexpo.jp](http://www.fceexpo.jp)

For information on other conferences and events, please see [www.iahe.org](http://www.iahe.org).
Thank you for reading the first issue of the new IAHE newsletter, I hope you find it useful! In the future, this page will be devoted to commentary from a researcher, industrial leader or politician on topical subjects related to hydrogen. In these times of economic turmoil in the United States and abroad, many organizations are suffering cutbacks or simply dying off. The IAHE, however, sees tremendous opportunity in these times to finally make the inevitable pivot toward real change in the way the world produces, stores, and utilizes energy. As the first international organization dedicated to promoting hydrogen energy, the IAHE is experiencing a phase of renewed growth, and as part of that effort this newsletter was developed.

The objective of the IAHE is to advance the day when hydrogen energy will become the principal means by which the world will finally achieve its goal of abundant clean energy. In order to help achieve that goal, the IAHE publishes the highly rated International Journal of Hydrogen Energy, and holds World Hydrogen Energy Conference and a World Hydrogen Technology Conferences in alternating years. Besides these events, which have been a core of the IAHE activities since its founding in 1974, several new activities are being advanced as part of the renewed pace of development of the IAHE:

1) A new network of student chapters of the IAHE is being developed, and special benefits and considerations to bring more students into the IAHE are under way. In April alone, over 55 new graduate and undergraduate students joined the IAHE chapter at Penn State, and many other chapters are in the planning stages or have already had their inaugural meeting!

2) IAHE student membership is now free. Interested students can apply online at www.iahe.org or by sending me an email.

3) The IAHE is actively seeking to work with and promote existing national hydrogen associations. We can help plan, sponsor, and promote events across a wide distribution platform. We also seek to link the new student chapters in local countries with their national hydrogen association.

Whether you are a student, a professional in industry or a faculty member, if you have an interest in promotion of hydrogen technologies, there is a role for you in the IAHE. I welcome the opportunity to speak with you about ways in which we can meet the needs of our members and grow our global impact toward promotion of hydrogen. If you are already working within a national hydrogen association, we encourage you to also work with the IAHE to see how we can help. The more voices and collective shared experience we have, the more we can accomplish together.

With warm regards,

Please give me a call at 814-865-0060 or email me at mmm124@psu.edu.

I welcome a visit if you are in the State College area.
Contacts and Information

BOARD OF DIRECTORS

Officers of the IAHE

T. Nejat Veziroglu
President, IAHE

Matthew M. Mench
Vice President, Development, IAHE

Tokio Ohto
Vice President, IAHE

David S. Scott
Vice President, IAHE

Carl-Jochen Winter
Vice President, IAHE

William J.D. Escher
Secretary

Ayfer Veziroglu
Comptroller and Assistant Editor

Board of Directors of the IAHE

H.K. Abdel-Aal

Frano Barbir

Juan Carlos Bolcich

Tapan Bose

ON THE WEB

International Association for Hydrogen Energy (IAHE)
http://www.iahe.org
5794 SW 40 St. #303
Miami, FL 33155, USA

International Journal of Hydrogen Energy (IJHE)
The Official Journal of the IAHE
http://www.elsevier.com/locate/he

Any questions on the Newsletter or IAHE?
E-mail: mmm124@psu.edu