

Call for Papers

Participants intending to present paper(s) are requested to e-mail 200-250 words abstract(s) to the Organizing Secretary according to the format given on the next page.

Symposium on Hydrogen and Fuel Cells, July 9-11, 2012



Department of Chemistry
Quaid-i-Azam University
Islamabad



Higher Education
Commission



The Chemical Society
of Pakistan

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Theme

Energy and environment are the major challenges for the sustainable development of progressive society. Development of clean energy sources has thus become essential components of future strategies for energy planning. Efforts are underway all over the world for the development of clean energy sources including those based on solar, wind, nuclear energy and hydropower strategies. Automobile is a fast growing sector consuming most of the oil and gas resources in most of the countries worldwide and also considered a major source of environmental pollution leading to overall climate change. Similarly industrial and domestic consumption of energy sources is increasing at very fast pace particularly for fast growing economies of the third world. Thus the rapid depletion of the conventional energy source may suggest following of new avenues for development of future clean and sustainable energy strategies..

A long term sustainable solution to energy need and pollution problems may lie in the hydrogen economy to which the main vehicle could be hydrogen and fuel cells. Hydrogen can be produced from numerous sources including biomass, coal and water being an unending source of hydrogen. Fuel cells convert chemical energy directly into electrical energy at high efficiency and using mostly hydrogen as a fuel. In view of the great potential for such fuel cells technology a lot of development work is being done worldwide for the development of the hydrogen sources and fuel cells . The trend is increasing day by day with major quantum jumps.

The Symposium on Hydrogen and Fuel Cells (SHFC) is being organized in order to evolve National Strategies with respect to this very important aspect of future energy planning . The topics of the symposium include, but not limited, to the following areas.

1. Fuel cell systems and applications.
2. Materials for fuel cells.
3. Catalysts for fuel cells and fuel reforming.
4. Hydrogen and fuel reforming.
 - a). Hydrogen from water, biomass, other sources and its storage.
 - b). Coal gasification to syngas and liquid fuels.
 - c). Hydrogen mixing in compressed natural gas (CNG).

Symposium is open to all participants from public and private universities, research organizations and relevant industries.

Abstracts not more than 250 words may be submitted by e-mail using the following links.

Email: riaz_ecfc@yahoo.com, arifchemist@hotmail.com

Objectives

- i). To work for the development of fuel cell systems and their components.
- ii).To promote production of hydrogen from different sources including coal gasification.
- iii).To promote collaboration between different universities and research organizations in this useful area of energy.

Venue

Department of Chemistry
Quaid-i-Azam University, Islamabad

Organized By

Quaid-i-Azam University, Islamabad
The Chemical Society of Pakistan

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Quaid-i-Azam University/ HEC

Registration Form

Symposium on Hydrogen and Fuel Cells, July 9-11, 2012, (SHFC-2012)

Name -----

Institution -----

Address -----

Email -----

Title of Paper -----

Authors -----

Abstract-----

Key dates

Abstract Submission Deadline - 15 June 2012
Abstract Acceptance Notification - 22 June 2012
Full Paper Submission Date - 05 July 2012

Registration Fee

Member (CSP)	Rs. 2000/-
Non-Member	Rs. 2500/-
Industrial workers	Rs .3000/-
Students	Rs. 1500/-

Accommodation

Accommodation will be arranged in local university guest houses or hotels on request.