



**OECD NUCLEAR ENERGY AGENCY**  
**Nuclear Science Committee**

## **Second Information Exchange Meeting on Nuclear Production of Hydrogen**

Argonne National Laboratory, Illinois, USA

**2 - 3 October 2003**

First announcement  
7 March 2003

(Revised: 8 May 2003)

<http://www.nea.fr/html/science/hydro/iem2/>

### **1. Introduction**

The Nuclear Science Committee (NSC) of the OECD Nuclear Energy Agency (NEA) is organising the Second Information Exchange Meeting on Nuclear Production of Hydrogen. The meeting will be held at Argonne National Laboratory, Illinois, USA, on 2-3 October 2003.

### **2. Background and purpose**

As growing demand for energy has prompted ever-increasing use of fossil fuels, the resulting issues of energy security and climate change have in turn led to renewed interest in the use of hydrogen as an energy carrier.

The NSC held its first Information Exchange Meeting on the Nuclear Production of Hydrogen in October 2000 to discuss scientific matters pertaining to the production of hydrogen using energy produced by nuclear reactors. Thirty-nine participants from nine countries and three international organisations met in Paris to discuss the following issues: the physics and chemistry of hydrogen production methods; the application, concepts and roles of nuclear technology for hydrogen production; ongoing or planned R&D programme. Since then, interest in nuclear production of hydrogen has grown dramatically in the framework of the Generation IV initiative. As a result, many countries have continued research and development activities in this field.

The current scientific and technical issues related to the hydrogen generation using nuclear energy will be presented and discussed during the second information exchange meeting. Recommendations to the NSC on possible further international collaboration in this field will be formulated during this meeting.

### **3. Dates and place of the meeting**

The meeting will start in the morning of 2 October and adjourn in the afternoon of 3 October (2 days). The meeting will be held at Argonne National Laboratory, in Chicago, Illinois, USA.

### **4. List of topics**

The meeting will consist of plenary sessions with invited and contributed papers, followed by a general discussion and a conclusion to close the meeting.

The following topics will be covered:

- Overview of the role of hydrogen in future energy structures ;
- Technologies of nuclear production of hydrogen, including:
  - electrolysis technology ;
  - steam methane reforming of pyrolysis technology; and
  - thermochemical water cracking technology.
- Concept designs for nuclear production of hydrogen.

### **5. Participation and submission of papers**

Participants may either fill in the "preliminary registration form" on the NEA website (<http://www.nea.fr/html/science/hydro/iem2/preregist.html>), or complete the attached form and return it to the secretariat **by 13 June 2003**.

Participants planning to present a paper should send the title and an abstract (not exceeding 500 words) to the secretariat of the meeting **before 13 June 2003**.

Participants will be informed by 11 July 2003 whether their paper has been accepted for presentation. Final versions of accepted papers must be sent in electronic form to the NEA secretariat (E-mail: [suyama@nea.fr](mailto:suyama@nea.fr)) **before 5 September 2003**.

The allocated presentation time will be 20 minutes for each invited and contributed paper.

All correspondence regarding the meeting should be addressed to the secretariat of the meeting:

**Kenya SUYAMA**  
OECD/NEA  
Le Seine St-Germain 12,  
Boulevard des Iles F-92130 Issy-les-Moulineaux, France  
Tel: +33 (0)1 4524 1152, Fax.: +33 (0)1 4524 1106  
E-mail: [suyama@nea.fr](mailto:suyama@nea.fr)

## **6. Important dates**

13 June 2003	Preliminary registration and submission of abstracts
11 July 2003	Acceptance of contributed papers
8 August 2003	Final registration
5 September 2003	Deadline for sending the electronic version of accepted papers
2 October 2003	Start of the meeting

## **7. Fees**

There is no conference fee.

## **8. Working language**

The working language of the meeting will be English.

## **9. Proceedings**

All presented papers will be included in the proceedings, which will be published by the NEA shortly after the meeting. Please note that papers received after the submission deadline of 5 September 2003 risk being excluded from the proceedings.

## **10. Accommodation**

Participants should make their own hotel reservation and cover their own booking expenses. For convenience, guests may choose to reside in the hotel located within the premises of Argonne National Laboratory (<http://www.anl.gov/OPA/visiting.html>) or may select other facilities located in the direct vicinity of the meeting venue. Accommodation and site access details will be sent to all registered participants by a local organising committee member (Dr. D. Wade: e-mail: [dcwade@anl.gov](mailto:dcwade@anl.gov)).

## 11. Argonne site access clearance

Official formalities are in force to access the Argonne National Laboratory premises. For efficient processing of such formalities, the organising committee will require participants to fill in the "Country of Residence" and "Country of Citizenship" section on the registration form. A local organising committee member (Dr. D. Wade: e-mail: [dcwade@anl.gov](mailto:dcwade@anl.gov)) will forward subsequent details to participants after this information has been received.

## 12. Meeting organisation (to be finalised)

### Organising committee

D. Wade	ANL (USA) (Chair)
D. Henderson	DOE (USA)
M. Hori	Nuclear Systems Association (Japan)
A. Miller	AECL (Canada)
M. Ogawa	JAERI (Japan)
P. Pickard	SNL (USA)
X. Vitart	CEA (France)

### International scientific advisory members

S. Johnson	DOE (USA) (Chair)
A. Guigon	CEA (France)
M. Lecomte	Framatome (France)
T. Marston	EPRI (USA)
M. Methnani	IAEA
C. Nordborg	OECD/NEA
M. Paster	DOE (USA)
J. Ritch	World Nuclear Association
D. Scott	Evenstar Inc. (Canada)
K. Soda	JAERI (Japan)
D. Torgerson	AECL (Canada)
W. von Lensa	GZJ (Germany)

### Meeting secretariat

K. Suyama	OECD/NEA
D. Henderson	DOE (USA)

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to be held at

Argonne National Laboratory, Illinois, USA, on 2 - 3 October 2003

**REGISTRATION FORM**

To be returned to  
**Kenya SUYAMA**

OECD/NEA

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E-mail:

**Presentation**

I would like to make:       Oral presentation       Poster presentation

Title of presentation:

Authors of this presentation: