



EU NoE HySafe

"Safety of Hydrogen as an Energy Carrier"

invites to the:

3rd ICHS

International Conference

on Hydrogen Safety

September 16 - 18, 2009

Ajaccio – CORSICA, FRANCE

1st Announcement and Call for Paper

Local Organizations:



ICHS CONFERENCE - SCOPE

On behalf of the European Commission and IPHE, HySafe is organizing the Third International Conference on Hydrogen Safety (ICHS). ICHS is included in the HYSAFE Work Plan. HYSAFE, which stands for "Safety of Hydrogen as an Energy Carrier," is a Network of Excellence (NoE) of the VI European FWP (UE contract SES6-CT-2004-502630). The conference will be held in Ajaccio, Corsica on September 16-18, 2009. This event is being organized in collaboration with the principal EU and International projects on hydrogen safety. The ICHS conference **will focus on issues** pertaining to the improvement, knowledge and understanding **of hydrogen safety**. It aims at providing a basis that will foster removal of safety-related barriers to implementation of hydrogen as an energy carrier. The conference is expected to contribute to building public awareness and trust in hydrogen technologies by providing a basis for communicating both the risks associated with hydrogen and their management. Since the ICHS will focus on safety issues and measures to encourage an extensive use of hydrogen based technologies, its contents will be different from other "Hydrogen Conferences". All contributions to be included in the Conference will be evaluated exclusively in the light of their scientific content. **The submitted papers that do not focus on safety issues will not be accepted.**

ICHS CONFERENCE – STRUCTURE

The 3rd ICHS will include invited plenary sessions, and topical lectures, contributed parallel and poster sessions. One of the main objectives of the Conference is to provide a platform for the presentation of the final results of projects. Each day, the Conference will start with a plenary session on themes that are particularly relevant in contemporary society, such as technologies, infrastructure and public safety, research & development, risk management and insurance. The plenary thematical session will be followed by parallel sessions featuring invited topical presentations and contributed papers.

THEMES AND TOPICS

Theme 1: Building Public Safety Consensus

- Historical Progress - Hydrogen as an Energy Carrier
- Progress in Closing Knowledge Gaps
- Portable, Mobile and Stationary Applications

Theme 2: Latest Advances in Hydrogen Safety R&D

- Modeling, Simulation and Validation;
- Experimental Programs and Testing;
- Sensors and Mitigation;
- Materials Safety; (hydrogen effects on materials, including fuel quality)
- Hydrogen behaviour (release, dispersion, ignition and autoignition, combustion: deflagration, detonation, Transitional effects);
- Physical effects (thermal, overpressure and missile effects from hydrogen fires and explosions).

Theme 3: Risk Management and Insurance

- Risk-informed / safety engineering
 - ✓ Methods to reduce safety distances
- Risk / safety perception
- Risk acceptance and harm criteria
- Risk assessment uncertainty, cost-benefit analysis and insurance premiums
- Hydrogen safety research in insurance industry
- Property insurance vs liability insurance
 - ✓ Industrial, commercial and residential
 - ✓ 3rd party liability

CONFERENCE ORGANIZING COMMITTEE

Iñaki Azkarate, Luc Bawens, Pierre Benard, Alain Bengaouer, Marco Carcassi, Sergey Dorofeev, Stuart Hawksworth, Bill Hoagland, D. Robert Hay, Thomas Jordan, Jay Keller, Alexei Kotchourko, Ian MacIntyre, Alessia Marangon, Frank Markert, Ad Matthijsen, Vladimir Molkov, Jim Ohi, Philippe Poggi, Pierre Serre-Combe, Andrei Tchouvelev, Alexander Venetsanos, Franck Verbecke, Nico Versloot, Heinz Wilkening, Manfred Wilms.

CONTRIBUTED PAPERS

Conference attendees who wish to present a paper (oral or poster presentation) are asked to submit a short abstract. Authors whose abstract has been accepted will be asked to submit a full paper which will be peer-reviewed. The evaluation will be forwarded to the Authors by e-mail. **The reviewed papers that do not address and resolve major comments noted by the reviewers will not be accepted.** Submission instructions are available on the Conference website (conference.ing.unipi.it/ICHS2009/). The deadline for the contributed papers are detailed below.

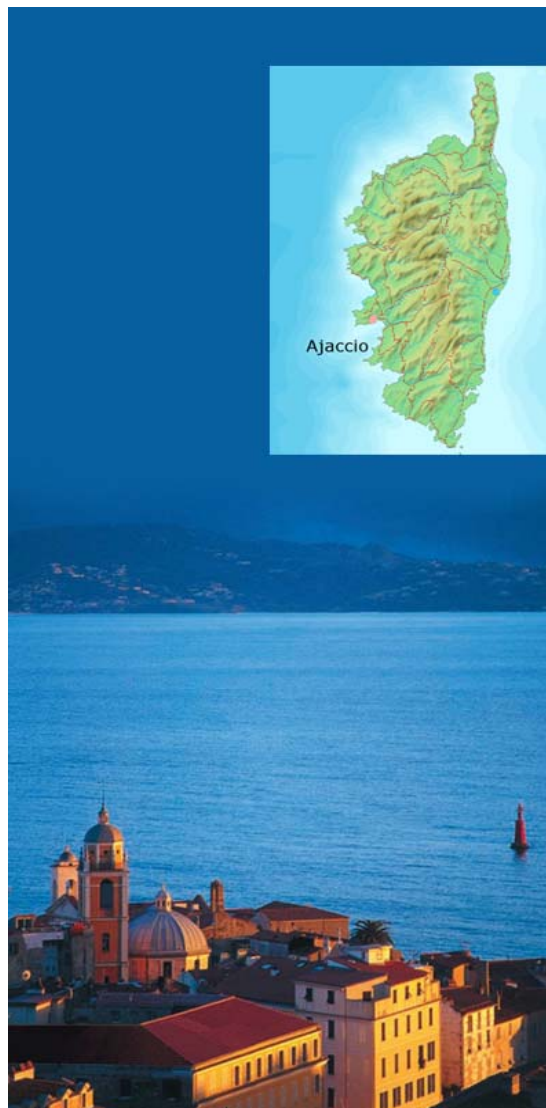
- Submission of Abstracts: **December 31st**, 2008
- Abstracts acceptance notification: **January 31st**, 2009
- Full Papers Submission: **March 31st**, 2009
- Acceptance of Papers: **June 1st**, 2009
- Submission of Papers Final Versions and Payment of Conference Fees: **July 1st**, 2009
- ICHS Conference: **September 16-18**, 2009

CONFERENCE LANGUAGE

The conference language is English. No translation will be provided.

CONFERENCE CENTRE

Palais des Congrès d' Ajaccio
Quai L'Herminier BP 253
20180 AJACCIO - CEDEX
www.palais-congres-ajaccio.com/



CONFERENCE INFO

Website: www.hysafe.org/conference
conference.ing.unipi.it/ICHS2009
 Secretary e-mail address: ICHS@hysafe.org

REGISTRATION / INFORMATION FORM:

Title (Prof. Dr. Mr. Mrs. Ms.): _____

Surname / Name: _____

Organization: _____

Address: _____

Postcode / Zip: _____ Country: _____

Telephone / Fax: _____

E-Mail Address: _____

I suggest this announcement should also be sent to:

Title (Prof. Dr. Mr. Mrs. Ms.): _____

Surname / Name: _____

E-Mail: _____

By completing this form we understand that you are interested in:

Presenting a paper _____

Receiving information _____

Being an auditor _____

Using the exposure room's spaces: _____

To be sent:

via E-Mail at: ICHS@hysafe.org

by fax at: +39-050-2207388

We will not disclose this information to third parties.