IPHE International Hydrogen Storage Conference
Lucca, Italy, June 20-22, 2005

Co-organizers: Italy, US, EU, Russia

Pierpaolo Garibaldi - Ministry for Environment and Territory Italy
IPHE - ILC Meeting: Rio de Janeiro  March 22-23, 2005
Il Ciocco
*Tuscany (Italy)*

In the Tuscany, within a distance of 60 kms from Pisa and 100 kms from Florence, the modern International Hotel and Conference Centre.
<table>
<thead>
<tr>
<th>Time</th>
<th>19 June</th>
<th>20 June</th>
<th>21 June</th>
<th>22 June</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morning</td>
<td></td>
<td>Intern. Overview</td>
<td>Carbon, New Concepts*</td>
<td>Chemical Storage*</td>
</tr>
<tr>
<td>Afternoon</td>
<td></td>
<td>Metal Hydrides*</td>
<td>Posters</td>
<td>Off-board</td>
</tr>
<tr>
<td>Evening</td>
<td>Reception</td>
<td>Posters</td>
<td>Networking Social Event</td>
<td>Discussion, Collaborations</td>
</tr>
</tbody>
</table>

*Panel discussion after each session
This Technical Conference, the first of IPHE, is the first step in designing and developing IPHE international collaborations.

The focus of the conference will be on novel materials-based hydrogen storage technologies and concepts for solid-state systems, such as high surface area adsorbents (e.g. carbon-based materials, novel reversible materials, etc.), metal hydrides, and chemical hydrogen storage. Near-term storage technologies such as compressed gas and liquid do not constitute the focus of the meeting.

This meeting will provide a framework for experts in the field of hydrogen storage and high-calibre scientists and engineers from universities, national laboratories, and industry from around the world to network and form potential strategic collaborations.
Strategic Objectives

- To provide a forum for information exchange on key technologies that could lead to breakthrough solutions for hydrogen storage.
- To track worldwide progress and identify critical areas that may benefit by leveraging R&D worldwide.
- To promote potential research collaborations, identify and reduce duplication and to create and strengthen partnerships.
- To provide recommendations to the Steering Committee and the Implementing and Liaison Committee of the IPHE on possible activities related to the above.
- This conference will truly provide an opportunity for investigators to interact on a technical level and potentially form collaborations to leverage their R&D worldwide.
Practical Objectives

- **Inventory** of Programs/Projects in IPHE Member States
- Scientific and technological **State-of-Art** worldwide
- **Matrix of** hydrogen storage focus areas and expertise across countries
- Establishment of a **network** coordinating cross-linked projects/activities
- Identification of “**nucleation**” projects/programs, labeled **IPHE**, to start joint activities.
1. Identify possible ways to accelerate collaborative research projects under IPHE Umbrella.

2. Gather feedback from global technical community on issues to be addressed by IPHE. Initiate process identifying clear guidelines to help foster international collaborations (e.g. data protection and dissemination).

3. Stimulate formal preparation of potential projects for R&D activities to be used as deliverables of the Conference and follow ups for the specific IPHE activities.

4. Provide specific recommendations to IPHE ILC/SC and Member Countries for relevant collaborative projects to be prioritized.
Conference Status

- **Attendance:**
  - ~100 abstracts submitted (oral and poster selection underway)
  - ~200 registrations (Recommended for each participant): some authors have not registered yet. **TARGET: 250-300.**

- Co-chairs selected
- Experts for Session panels to be identified (for each Session discussion)
- Invited speakers selected
- Participation fee (including almost everything) under definition
- Travel grants to be selected
- Logistics (on-schedule): website, local transportation to the meeting place and social events (welcome ceremony, opening session, gala dinner and Lucca Medieval sightseeing)
Co-Chairs
• Pierpaolo Garibaldi, Ministry of Environment and Territory, Italy/IPHE
• Sunita Satyapal, US Department of Energy, USA/IPHE
• Stanislav Malyshenko, Russian Academy of Sciences, Russia/IPHE
• Marc Steen, Joint Research Center, European Commission/IPHE

Advisory Committee
• Andreas Zuttel, University of Fribourg, Switzerland
• Sergei Mitrokhin, Lomonosov Moscow State University, Russia
• Qi-dong Wang, Zhejiang University, China
• Michael Heben, National Renewable Energy Laboratory, USA
• Seijirau Suda, Kogakuin University/ MERIT, Japan
• Constantina Filiou, Joint Research Center, European Commission
• Nidia Gallego, Oak Ridge National Laboratory USA
• Bjørn Hauback, IFE, Norway
• Richard Chahine, University of Quebec, TR, Canada
• Keith Ross, University of Salford, UK
• Craig Jensen, University of Hawaii, USA
• Shin-ichi Orimo, Tohoku University, Japan
• Alberto Albinati, University of Milan, Italy
• Victor Solovey, Ukrainian Academy of Sciences, Ukraine

International Program Committee
• Joaquin Martin-Bermejo, European Commission/IPHE
• Mario Conte, ENEA, Italy
• Gary Sandrock, IEA Hydrogen Implementing Agreement
• Hailin Tu, General Research Institute for Non-Ferrous Metals, China/IPHE
• S. K. Chopra, Ministry of Non-Conventional Energy Sources, India/ IPHE
• Nobuhiro Kuriyama, NEDO, Japan
• Boris F. Reutov, Ministry of Education and Sciences, Russia/IPHE
http://www.engconfintl.org/5ar.html
Is it possible to send to me a large flag of each IPHE member country?
Please mail the flag at your earliest convenience
Pierpaolo Garibaldi
Via 1 Maggio 2-18
20068 PESCHIERA BORROMEO – ITALY