



II IPHE International Conference Hydrogen Storage Technologies

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12th IPHE Joint Implementing and Liaison & Steering Committee Meeting
1-3 December 2009, Washington (DC), USA



IPHE International Conferences

- I IPHE International Conference
19-22 June 2005, Lucca (Italy)
- II IPHE International Conference
28-29 October 2009, Moscow
(Russia)
- Poster exhibition



Conference Objectives

- **Conference Objectives**
- To provide a forum for information exchange on key technologies that could lead to breakthrough solutions for hydrogen storage, infrastructure and safety
- To track progress and identify critical areas for R&D in the field of hydrogen storage
- To promote further international collaboration for addressing scientific and technical challenges of hydrogen storage technologies and systems
- To provide recommendations to the IPHE SC & ILS Committee



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- International Program Committee:
 - Stanyslav Malyshenko (IPHE\Russia)
 - Marc Steen (IPHE\EC)
 - Sunita Satyapal (IPHE\USA)
 - Pierpaolo Garibaldi (IPHE\Italy)
 - Mario Conte (ENEA\Italy)
 - Bjorn Hauback (IEA HIA)



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- **Conference Topics**
- International and National Programs addressing HST and related infrastructure
- The current status and prospects for hydrogen technologies, Engineering problems of hydrogen storage systems
 - Hydrogen storage technologies
 - Advanced materials and nanostructures for hydrogen storage systems
 - System integration
 - Hydrogen infrastructure development
- Hydrogen safety: reliability of HST, safety of components and infrastructure
- Education and training (a youth section).



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- The total number of participants - 140
- The number of international experts - 35 (from 17 countries)
- The total number of oral presentations – 48 (speakers from EC, France, Greece, Norway, Japan, Republic of Korea, Russia, South Africa, Switzerland, Turkey, UK, USA, Ukraine)
- International projects: NESSHY, Task 22 IEA HIA, PISC, HySafe, HYPER, ISTC



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- Key hydrogen storage systems R&D activities
- Education (Student session- presentations of the Best Student Work Award Winners)
- Hydrogen storage materials and technologies
- System integration and infrastructure
- Safety of Hydrogen Storage Systems

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- Conferences on HST – to organize on a regular basis, in cooperation with IEA HIA (Task 19 and 22)
- To ensure more active involvement of all IPHE countries
- To set up IPHE HST network project



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