

The 5<sup>th</sup> International Conference  
“HYDROGEN ECONOMY  
AND HYDROGEN TREATMENT OF MATERIALS”  
(HTM-2007)

Ukraine, Donetsk, May 21–25, 2007

**The general idea of the HTM-2007:**

*At this historical moment a critical question of the world hydrogen movement is a necessity of a wide information exchange among leading representatives of hydrogen energy community, hydrogen-materials-safety one and of industrials, having an experience in hydrogen production and employment. With good reason one can expect that just this exchange of views and knowledge will initiate a new understanding of the main bifurcation points on the way to hydrogen civilization.*

**The Subject Matter of the HTM-2007**

- Plenary Sessions:**
- Advances in the vectorial movement “Hydrogen Energy → Hydrogen Economy → Hydrogen Civilization”
  - Problems of Safety and Efficiency of Hydrogen Technologies and Hydrogen Energy Systems
- Section Sessions:**
- Theory and Technology of Hydrogen Treatment of Materials; Hydrogen-induced Structure and Phase Transformations
  - Noble and Rare Metals in Fuel Cells and Hydrogen Energy Technologies
  - Hydrogen Degradation of Materials; Prevention of Unpredicted Hydrogen Wrecks in Gas, Chemical, Petrochemical and Atomic Industry
- Round-Table Meeting:**
- Hydrogen Economy and Materials: Are There Any Troubles on the Road to Hydrogen Civilization?

**Co-organizers:**

**INTERNATIONAL ASSOCIATION FOR HYDROGEN ENERGY  
THE JOINT SCIENTIFIC AND COORDINATIONAL COUNCIL ON THE PROSPECTS  
OF TRANSITION TO HYDROGEN ECONOMY  
PERMANENT WORKING INTERNATIONAL SCIENTIFIC COMMITTEE  
ON HYDROGEN TREATMENT OF MATERIALS**

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**UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION  
INTERNATIONAL CENTER ON HYDROGEN ENERGY TECHNOLOGIES  
UNIDO-ICHET**

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**DONETSK NATIONAL TECHNICAL UNIVERSITY**

in cooperation with some Ukrainian, Russian and international scientific organizations.

To know more about HTM-conferences, please, see The International Journal of Hydrogen Energy (1997, Vol. 22, No. 2/3; 1999, Vol. 24, No. 9; 2002, Vol. 27, No. 7–8; 2006, Vol. 31, No. 2) and visit the Website: [www.dgtu.donetsk.ua/hydrogen/](http://www.dgtu.donetsk.ua/hydrogen/)

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