

## PROGRAM PRELIMINAR

### WORKSHOP EXPLORATORIU

#### MATERIALE AVANSATE PENTRU TEHNOLOGII ENERGETICE ALTERNATIVE. ENERGIA BAZATA PE HIDROGEN - SOLUTIE VIABILA PENTRU INCLUDEREA IN PROIECTUL DE STRATEGIE ENERGETICA A ROMANIEI PE PERIOADA 2007 – 2020 ?

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*Miercuri, 17 Septembrie 2008*

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#### *Sesiune in cursul diminetii*

**Chairman:** Dr.ing. Elena ENESCU

**Co-Chairman:** Prof. Dr. Neculai Plugaru

- 9:00 – 9:30** Inregistrare
- 09:30 – 09:45 **Dr. Elena ENESCU**  
**Dr. Gimi A. RIMBU**  
*Cuvant de deschidere (Opening Message)*
- 09:45 – 10:15 **Dep. Mircea CIOPRAGA**  
*Strategia Energetica Romaneasca.*  
*Romanian Energetic Strategy.*
- 10:15 - 10:45 **Vasile STANCIU**  
*Platforma Romaneasca pentru Hidrogen si Pile de Combustie.*  
*Promovarea si Integrarea Cercetarii Romanesti in Domeniul Conversiei Energiei din Surse Noi si Regenerabile.*  
*Romanian Platform for Hydrogen and Fuel Cells.*  
*Promoting and Integrating Romanian Research in the Field of New and Renewable Energy Sources.*
- 10:45 – 11:15 **Dr. Gimi A. RIMBU**  
*Stadiul Actual si Perspectivele Cercetarii la INCDIE ICPE-CA, in Domeniul Materialelor pentru Stocarea Hidrogenului si Tehnologiei Pilelor cu Combustibili.*  
*State of Art and Perspectives at INCDIE ICPE-CA in the Field of Materials for Hydrogen Storage and Fuel Cells Technology.*
- 11:15 – 11:45 **Pauza cafea**
- 11:45 – 12:15 **Dr. Cristian TANTAREANU**  
*Scenarii de Dezvoltare a Energiei Eoliene in Romania.*  
*Scenarios on the Wind Energy Development in Romania.*
- 12:15 – 12:45 **Prof. Nicolae OLARIU**  
*Utilizarea Sistemelor Fotovoltaice in Cladiri.*  
*Photovoltaic Systems for Domestic Application*
- 12:45 – 13:15 **Prof. Gheorghe LAZAROIU / Prof. Viacheslav BARSUKOV**  
*Dezvoltarea unor Materiale de Perspectiva pentru Ingineria Electrochimica de Putere.*  
*Stadiul Actual si Perspectivele Cercetarii asupra Tehnologiilor Energetice Alternative si Regenerabile in Ukraina.*  
*Development of Promised Materials for Electrochemical Power Engineering*  
*State of Art and Research Perspectives on Alternative and Renewable Energy Technologies in Ukraine.*
- 13:15 – 15:00 **Pauza Masa (Lunch Break)**

- 15:00 – 15:30 **Dr. Gimi A. RIMBU / Prof. Keith SCOTT**  
*Tehnologii Electrochimice pentru “Economia Hidrogenului”. Stadiul Actual si Perspectivele Cercetarii in Domeniul Pilelor de Combustie la Universitatea din Newcastle, UK.*  
*Electrochemical Technologies for a Hydrogen Economy. State of Art and Perspectives in the Field of Fuel Cell Research at Newcastle University in UK.*
- 15:30 – 16:00 **Prof. Ioan STAMATIN / Dr. Ana ARENILLAS**  
*Materiale Carbonice pentru Stocarea Hidrogenului.*  
*“Economia Hidrogenului” - Situatia actuala si Perspectivele Cercetarii in Spania.*  
*H2 Storage in Carbon-Based Materials.*  
*“Hydrogen Economy”- State of Art and Research Perspectives in Spain.*
- 16:00 – 16:30 **Prof. Neculai PLUGARU**  
*Dezvoltari Recente in Modelarea Materialelor pentru Stocarea Hidrogenului.*  
*Recent Developments in Hydrogen Materials Modeling.*
- 16:30 – 16:45 **Pauza Cafea (Coffee Break)**
- 16:45 – 17:00 **Discutii (Discussions)**

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**Joi, 18 Septembrie 2008**

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- 9:00 – 9:30** Inregistrare
- 09:45 – 10:15 **Dr. Sorin ILIE**  
*Cercetarea Materialelor in Contextul Activitatii Generale din Organizatia Europeana de Cercetari Nucleare (CERN).*  
*Materials Research in the Context of General Activity in the European Organization for Nuclear Research (CERN)*
- 10:15 – 10:45 **Dr. Diana ILIE**  
*Caracterizarea Fizico-Chimica a Unor Perfluorocarboni Utilizati ca Fluide de Racire in LHC / CERN – (I). Metode Fizico-Chimice de Caracterizare.*  
*Physical – Chemical Characterization of Some Perfluorocarbons Used as Cooling Fluids in LHC / CERN –(I). Physical – Chemical Methods for Characterization*
- 10:15 – 10:45 **Dr. Diana ILIE**  
*Caracterizarea Fizico-Chimica a Unor Perfluorocarboni Utilizati ca Fluide de Racire in LHC / CERN – (I). Metode Fizico-Chimice de Caracterizare.*  
*Physical – Chemical Characterization of Some Perfluorocarbons Used as Cooling Fluids in LHC / CERN –(I). Physical – Chemical Methods for Characterization.*
- 10:45 -11:15 **Dr. Radu SETNESCU**  
*Caracterizarea Fizico-Chimica a Unor Perfluorocarboni Utilizati ca Fluide de Racire in LHC / CERN – (II). Efectul Radiatiilor Ionizante.*  
*Physical – Chemical Characterization of Some Perfluorocarbons Used as Cooling Fluids in LHC / CERN –(II). The Effect of Ionizing Radiation.*
- 11:15 – 11:45 **Pauza Cafea (Coffee Break)**
- 11:45 – 12:15 **Dr. Stefan Nicolae STANCU**  
*Rețele de date de mare viteză pentru detectorul ATLAS / LHC / CERN.*  
*High Speed Data Networks for the ATLAS / LHC / CERN.*
- 12:15 – 12:45** **Dr. Victor CHIRIAC**  
*Optimizarea Energetica si Managementul Termic: Succes si Provocare in Racirea Sistemelor Microelectronice Avansate.*  
*Energy Optimization and Thermal Management: Success and Challenge in the Cooling of Advanced Microelectronics*
- 12:45 – 13:15 **Prof. Gheorghe MENCINICOPSCI**  
*Informatia matricei alimentare.*  
*Information given by the Food Matrix.*

- 13:15 – 15:00      **Pauza Masa (Lunch Break)**
- 15:00 – 15:30      **Dr. Viorica PIRVULESCU / Prof. Georgios KOKKINIDIS**  
*Acoperiri metalice prin reducere chimica, fara a utiliza energia electrica, pentru electrocataliza reactiilor in pilele cu combustibil. Stadiul Actual si Perspectivele Cercetarii asupra Tehnologiilor Energetice Alternative si Regenerabile in Grecia. Electroless deposition of metal coatings for electrocatalysis of fuel cell reactions. State of Art and Research Perspectives on Alternative and Renewable Energy Technologies in Grece.*
- 15:30 – 16:00      **Dr. Bruno POLLET**  
*Activitatea in Domeniul Hidrogenului si Pilelor cu Combustibili la Universitatea din Birmingham (UoB) & Dezvoltari Recente in Tehnologia SOFC la UoB. Hydrogen and Fuel Cells Activities at The University of Birmingham (UoB) & Recent Development in SOFC at the UoB Fuel Cells group.*
- 16:00 – 16:30      **Dr Waldemar Bujalski**  
*Investitii Recente ale Guvernului UK in Domeniul “Economiei Hidrogenului” si Tehnologiei Pilelor cu Combustibili. Recent UK Government Investment in the Field of Hydrogen and Fuel Cell as well as the H2 economy.*
- 16:30 – 16:45      **Pauza Cafea (Coffee Break)**
- 16:45 – 17:00      **Discutii (Discussions)**
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