

A G E N D A

FIRST NATIONAL CONFERENCE

University Politehnica of Bucharest

Friday 08 November 2013, 9 a.m.- 5 p.m.

UPB Library - room II.3, Bucharest, Romania

08.30 - 09.00 Participants Registration

Chairman:

Carmencita CONSTANTIN (Romania), Adrian ADAM (Romania), Florin ALEXE (Romania)

09.00 - 12.30 MORNING SESSION

- **Key note address**
George DARIE (Romania)
- **A Bulgarian case study: Applying a techno-economic model for the UCG-CCS process**
GORKA (Germany), N. NAKATEN (Germany), R. SCHLÜTER (Germany), Th. KEMPKA (Germany), N. HRISTOV (Bulgaria)
- **Coal power sector. Comparative analysis between UK, Romania and Greece**
Cristina DIMA (Romania), Roxana IVAN (Romania), Lidia Mitroi (Romania)
- **CCS economic integration issues in a steam power plant**
Mihaela NORISOR (Romania), George DARIE (Romania), Victor CENUSA (Romania), Roxana PATRASCU (Romania)

Coffee break

- **Phase behaviour & thermo physical properties of systems containing carbon dioxide and their role in CCS**
Catinca SECUIANU (Romania), Cristian DINCA (Romania), Martin CISMONTI (Argentina)
- **The desulphurization process influence on MEA absorption capacity**
Cristian DINCĂ (Romania), Adrian BADEA (Romania), Catinca SECUIANU (Romania)
- **IGCC potential and performance as a clean energy production option**
Zoe KAPETAKI (Great Britain), Davide BOCCIARDO (Great Britain), Maria-Chiara FERRARI (Great Britain), Hyungwoong AHN (Great Britain), Stefano BRANDANI (Great Britain)
- **Contributions for the upgrade of a coal energy system in order to reduce pollution and increase quality of life – case study: SE ISALNITA**
Adrian ADAM (Romania); George DARIE (Romania); Horia NECULA (Romania); Lucian MIHAESCU (Romania); Ion OPREA (Romania); Ion BARBIERU (Romania); Cristian MANDREAN (Romania); Viorel GHERGHINA (Romania)

13.30 - 17.00 AFTERNOON SESSION

- **Research regarding the investment projects development strategy in the power sector with highly climate change impact**
Carmencita CONSTANTIN (Romania)
- **Research regarding a model development for a sustainable restructuring process of the power generation sector**
Marian DOBRIN (Romania)
- **Optimization of Gas Turbine CHP Configurations for District Heating Systems**
Diana TUȚICĂ (Romania), George DARIE (Romania), Mihaela NORIȘOR (Romania), Victor CENUȘĂ (Romania)
- **Modelling the off-design behaviour of a cogeneration non-reheat steam turbine, for selecting the revamp solution**
Victor CENUȘĂ (Romania), Florin ALEXE (Romania)

Coffee break

- **The influence of HRG injection on the pulverized coal combustion**
Ionel PÎȘĂ (Romania), Tudor PRISECARU (Romania), Gheorghe LAZĂROIU (Romania), Elena POP (Romania), Gabriel NEGREANU (Romania)
- **Aspects of the butanol use in the compression ignition engine of the automotive**
Alexandru DOBRE (Romania), Constantin PANĂ (Romania), Nikolaos Cristian NUȚU (Romania), Niculae NEGURESCU (Romania), Alexandru CERNAT (Romania), Iulius Daniel BONDOC (Romania)
- **Experimental researches of using LPG at a car Diesel engine**
Nikolaos Cristian NUTU (Romania), Constantin PANA

Closing Remarks