



**PROMITHEAS - 2**  
The EU-BSEC  
Energy and Climate  
Policy Network  
(Contract No. 031444)

# International Black Sea Energy Policy Conference “Energy Investments and Trade Opportunities” Scientific Sessions

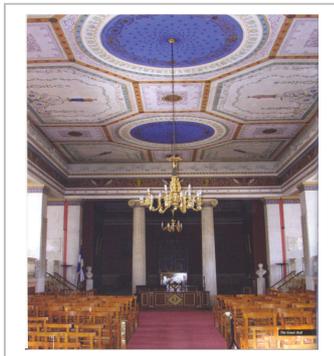
## 2<sup>nd</sup> open call for abstracts and papers

### General

The International Black Sea Energy Policy Conference “**Energy Investments and Trade Opportunities**” of the PROMITHEAS Network will take place on **October 8 - 9, 2008** in Athens, Greece. It is a three-dimension event, with Policy and Business sessions, Scientific Sessions and Exhibition sessions and is included in the FP6-PROMITHEAS-2 programme activities. The Conference is under the auspices of the Black Sea Economic Cooperation (BSEC). The Scientific Sessions are oriented to energy, environment and climate change and will be hosted at the “Propylaia” hall of NKUA.



### Abstracts and papers



The Conference Language will be in **English**. Intending contributors should submit **abstracts and papers**. Electronic submission (in MS Word format) through e-mail is strongly preferred. Abstracts will be reviewed by the members of the Scientific Committee of the Conference to determine whether acceptance for presentation is appropriate.

Conference Proceedings of abstracts will be published and distributed with the Conference Program. Selected papers will be reviewed for publication in a special issue of the Euro-Asian Journal of Sustainable Energy Policy, published by the PROMITHEAS network.

**Abstracts of papers** proposed for oral presentation at the Conference should be approximately 200 words in length and **must be submitted together with the abstract cover sheet**. As well as abstracts, contributors are encouraged to submit a paper in the specified format. Intending contributors may download from the Conference’s web site the Style Guide for Abstracts/Papers and the abstract cover sheet.

### Themes and Topics

PROMITHEAS network invites all scientists and engineers from the academic, scientific, engineering and industrial sectors to participate in the Conference and to contribute both in the promotion and the dissemination of the scientific knowledge. Participants are particularly welcome to submit work relevant to the following themes and topics:

#### Session C.1: Conventional fuels

- Energy supply and geopolitics
- Strategic energy planning

- Reserves estimation technologies and methodologies
- Exploration – Geological, geochemical and geophysical methods and technologies



KEPA



GPOGC



BSREC



IPE



ISPE



ESEMI

- Oil, gas, coal and lignite production and transportation
- Improved oil recovery
- Socio-economics of reserves exploitation and fossil fuel transportation
- Design, construction and operations of pipelines
- Hydrocarbons maritime and rail transportation
- Energy interconnections
- Transcontinental energy corridors
- Project economics & Decision analysis in hydrocarbons & coal

### Session C.2: Electricity

- Generation, transmission & distribution planning
- Power systems reliability and security
- Corporate planning and management
- Electricity market policies, structures and rules
- Electricity market deregulation
- Electricity markets modeling and simulation
- Electricity pricing and transactions
- Alternative energy systems
- Energy Management Systems
- Optimization Techniques
- Electricity Demand Management
- Load Management
- Power Factor Compensation and Conditioning
- Transmission Planning and Protection
- Finite Elements and Modern Computational Techniques
- Power System Operation and Control
- Load and energy forecast
- Economic operation
- SCADA/EMS and information systems
- Plant and equipment operation, maintenance and condition monitoring
- Power Quality and Power Quality management and Economics
- Modern technology and computation techniques and applications
- Online Monitoring and Diagnosis
- Hybrid Systems and Vehicles
- Mathematical Problems and Simulation of Electric machines, Electric Vehicles and Batteries
- Distributed Generation, Co-generation
- Energy Conversion and Conservation
- Renewable Energy Sources
- Hydrogen Energy, Fuel Cells

### Session C.3: Environment

- Environmental issues (water, noise, pollution, ecosystems, biodiversity)
- Environmental aspects of hydrocarbons development

- Socio-economics of environmental degradation
- Environmental models and simulation
- Environmental protection policies
- Legislation and economic analysis of environmental protection
- Environmental protection technologies and products
- Energy sustainable communities

### Session C.4: Climate change

- Climate change forecasting models and simulations
- Natural and anthropogenic driving factors
- Measuring and evaluating climate change impacts (water cycle, ecosystems, biodiversity, land regions, agriculture and cultural heritage)
- Exploring adaptation of human activities to climate change (coastal zones, transport systems, buildings, heritage, tourism, cultural landscapes)
- Technologies for mitigating climate change
- Research support for climate change mitigation policies (Kyoto protocol mechanisms – ETS, CDM and JI – green markets, post-Kyoto regimes).

### Session C.5: Energy efficiency and conservation

- Energy demands and consumption in existing and future buildings
- Mathematical models
- Techniques and technologies for energy consumption measuring and monitoring
- Design and renovation of building envelopes (bioclimatic architecture)
- Active and passive cooling (natural ventilation)
- Indoor environment quality and health (integrated comfort)
- Optimization of day lighting and artificial lighting (green lighting)
- Energy networks and decentralized production (heat and electricity)
- Sustainable urban development



### Important dates

- |   |               |
|---|---------------|
| Deadline for the submission of abstracts: | 2 June, 2008  |
| Notification of acceptance:               | 16 June, 2008 |
| Deadline for submission of full paper:    | 14 July, 2008 |

## Scientific Committee

An International Scientific Committee with members from Greece, EU and BSEC countries will ensure the quality of the Scientific Sessions.

**Chairman:** Prof. Ioannis KARAKOSTAS, Vice Rector, National and Kapodistrian University of Athens, Greece

**Members:** Prof. Perikles BOURKAS, National Technical University of Athens, Greece  
Prof. Mihail CHIORSAC, Academy of Sciences of Moldova, Moldova  
Prof. Dias HARALAMPOPOULOS, University of the Aegean, Greece  
Prof. Evgenij INSHEKOV, National Technical University of Kiev, Ukraine  
Prof. Nikola KALOYANOV, Technical University of Sofia, Bulgaria  
Prof. Konstantinos KARAGIANNOPOULOS, National Technical University of Athens, Greece  
Prof. Dimitrios MAVRAKIS, National and Kapodistrian University of Athens, Greece  
Prof. Arthur PRAKHOVNIK, National Technical University of Kiev, Ukraine  
Prof. Elmira RAMAZANOVA, National Academy of Sciences, Azerbaijan

## Registration and fees

	Scientific Sessions
Regular participants	180 €
Participants from Azerbaijan, Bulgaria, Moldova, Romania and Ukraine (countries of PROMITHEAS-2 partners)	120 €

The registration fee includes: admittance to all sessions, coffee breaks, lunches, abstract book, certificate of attendance, list of participants. Payment should be sent to the following account:

EMPORIKI BANK

IBAN: GR79 0120 0350 0000 0008 1706 531

Swift/BIC: EMPOGRAA

Beneficiary: NKUA/SARG

Participants should send **the registration form along with the copy of the bank receipt for the payment**. The registration form can be downloaded from the web-site. Participants are kindly asked to write on the bank receipt as payment explanation "PROMITHEAS-International Conference". For written cancellations received by September 31<sup>st</sup>, 2008 cancellation fees of 50% will apply. After that date, registration fees are not refundable. **Information about accommodation will be released in a few days.**

## Further information

*Black Sea Energy Policy Conference – "Energy Investments and Trade Opportunities"* - [http://www.kepa.uoa.gr/PROMITHEAS2\\_Conference.htm](http://www.kepa.uoa.gr/PROMITHEAS2_Conference.htm)

*Policy sessions* - [http://www.kepa.uoa.gr/PROMITHEAS2\\_Conference\\_Policy\\_Business\\_Sessions.htm](http://www.kepa.uoa.gr/PROMITHEAS2_Conference_Policy_Business_Sessions.htm)

*Scientific sessions* - [http://www.kepa.uoa.gr/PROMITHEAS2\\_Conference\\_Scientific\\_Sessions.htm](http://www.kepa.uoa.gr/PROMITHEAS2_Conference_Scientific_Sessions.htm)

## Contact details

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