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Mr. Arjun Thapan, Director General, South East Asia Department, Asian Development Bank

Technical Program

The program of the conference comprises:

- Keynote presentations in plenary sessions
- Presentation of accepted papers
- Panel discussions

Conference Paper Schedule

June 30, 2009: Deadline for extended abstract submission

July 31, 2009: Notification of acceptance

September 25, 2009: Deadline for full paper submission & early registration

Conference Program

- Day 1 Morning Session 1: Opening & keynote
Morning Session 2: Parallel sessions
Afternoon: Parallel sessions
Evening Welcome dinner
- Day 2 Morning Session 1: Parallel sessions
Afternoon: Field trip
- Day 3 Morning Session 1: Parallel sessions
Morning Session 2: Keynote & Closing

Organizing Committee

- Chair:** Prof. Said Irandoust, President, Asian Institute of Technology
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Prof. Hoang Xuan Lan, Director of International Cooperation Department, Hanoi University of Technology
Assoc. Prof. Dr. Nguyen Tan Tien, Head for External Relations Office, Ho Chi Minh City of Technology

Secretary:

- Dr. Weerakorn Ongsakul, GMSARN Secretary General and Conference Coordinator
Dr. Dietrich Schmidt-Vogt, Technical Program Coordinator
Dr. Thammarat Kootatep, Technical Program Co-organizer
Dr. Paul Janecek, Technical Program Co-organizer

Contact Information



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First Announcement For the Fourth GMSARN International Conference 2009

Energy Security and Climate Change: Problems & Issues in GMS

25-27 November 2009
Ha Long City, Vietnam



Organized by:



GMSARN



AIT



HUT



HCMUT



UBU



NPU

Supporting Association:



RERIC

Conference Purposes



As the energy demand in GMS region is growing, the GMS countries are in need of energy resources. Essential to all activities of humankind, infrastructure, transportation, commerce, communication, and human development, energy is indispensable and crucial to the economy of any country. However, the fact is, regional distribution of energy resources, particularly oil and gas, is very uneven. About 57% of the global oil reserves are located in the Middle East, 23% in North and South America, 7% in Africa and 13% from the rest of the world (EIA, 2007). For natural gas, 58% of the reserves are in just three countries – Russia, Iran and Qatar, the rest are scattered in North and South America (8%), Africa (7%), and in other regions (12%). This uneven distribution created unbalanced development throughout the world and sets forth the issue of energy security as well. Furthermore, energy-rich countries could use their market power against the disadvantaged countries not only economically but also in terms of conflict and tension.

Additionally, as already acknowledge by all sectors of the world, fossil-based energy resources utilization increases global warming leading to climate change. All planet entities are consequently affected as impacts are felt all over the world and the hope for sustainable development is exposed. As climate change is the greatest environmental challenge facing the world today, it is therefore essential to bridge energy gaps that create supply and environmental insecurities. A steady supply of secure sustainable energy can be achieved through greater focus on promotion of cleaner, more efficient and less polluting sources and technologies, along with greater use of indigenous forms of renewable energy.

After the success of the previous three GMSARN International Conferences in 2006-2008, the Fourth International Conference of 2009 helps to unite the member countries together in solving crucial trans-boundary problems, especially energy security and climate change in GMS regions. The conference aim is to initiate and stimulate international discussion on the various energy security and climate issues in the GMS. It is also envisaged that the conference will be able to generate shared solutions beneficial to the sustainability and also the findings and recommendations will be useful for GMSARN in its research programs as well as for GMSARN in its research programs as well as for the future of GMS.

Problems & Issues in GMS

CLIMATE CHANGE

- Climate Change Monitoring and Modeling
- Economic of Climate Change
- Climate Trends and Impact Assessment
- Climate Change Adaptation Issues
- Energy and Climate Policies

- Post Kyoto Protocol- Climate Change Strategies
- Power, Transport, Industries and Household Sector Stake in Climate Change
- Clean Development Mechanisms

ENERGY

- Emerging and Advanced Energy Resources Technologies
- Traditional Energy and Alternative Energy Resources
- Global and Regional Energy Demand and Supply
- Biofuels – Prospects for Cleaner Technology
- Energy Infrastructure
- Geopolitical Energy Security Issues and Strategies
- Energy Efficiency and Rational Use of Energy
- Trans-Boundary Power Exchange (Cross-Border Issues)
- Power System Interconnection
- Biomass Gasification and Combustion
- International and Regional Energy security
- Cogeneration and Hybrid Energy Systems
- District Heating and Cooling
- Distributed Generation Technology
- Power System Design and Operation
- Power System Planning and Analysis
- Power System Optimization
- Power System Dynamics and Stability
- Restructuring of Electric Supply Industry
- Demand-Side Management
- Regulation, Promotion, and Technologies for Energy Efficient Buildings and Industries
- Energy Modeling and Simulation
- Regional Power Interconnection and Trading Arrangement
- Regional Power Market and Pricing in GMS



ENVIRONMENT

- Sustainable Environmental Sanitation Systems and Planning Approaches
- Integrated Approaches on Health and Environmental Sanitation
- Trans-Boundary Pollution Controls and Practices
- Environmental Contamination and Remediation Techniques
- Appropriate Technologies on Waste Reuse, Recycling and Recovery
- Water Resources and Environmental Engineering
- Flood Control and Water Resources Management
- Integrated Approaches on Health and Environmental Sanitation



NATURAL RESOURCE MANAGEMENT

- Regional Experience With Community-Based Natural Resources Management
- Land Use and Land Cover Change in the GMS
- Intensification or Diversification : Alternative Pathways to Sustainable Agriculture
- Gender and Natural Resources Management in the GMS
- Irrigation Systems in Transition

- Integrated Watershed Management
- Land Evaluation and Monitoring for Sustainable Development
- Biodiversity Conservation and Sustainable Development
- Integrated Coastal Management in the GMS
- Upland Development in the GMS

DEVELOPMENT PLANNING

- Regional Economic Integration: Opportunity and Marginalization
- Urban Environmental Management
- Local Governance, Civil Society and People's Participation
- Public-Private Partnership
- National Development Policies and Development Aid
- ICT for Development
- Globalization and Human Rights
- Small and Medium Size Enterprise Development
- Cross-Border Trade, Investment and Development
- Cross-Border Migration
- Urban Development: Urban Heat Island
- Gender Equity and Sustainable Infrastructure Development
- Eco-Tourism in GMS
- Human Resource Development in GMS
- Poverty Impacts: Analysis and Assessment

Instruction to Authors

The 2-page extended abstract is required containing the title of the paper, authors, contact person and their affiliations, key words, and a summary of the paper. Times New Roman font size 12 should be used. The authors will be notified of the acceptance within four weeks after receipt of the extended abstracts. Authors are encouraged to submit their abstracts by email in both PDF and WORD file formats. Submissions should be addressed to the GMSARN Secretariat at gmsarn@ait.ac.th. Authors are expected to present at the conference. The full paper will be published in the conference proceedings and selected papers will be considered for peer review in [GMSARN International Journal](#). English will be the language for all printed materials, as well as for the technical presentations and discussions.

Registration Fee

Early bird registration	14,000 Baht (US400)
Late or on-site registration	16,000 Baht (US460)
GMSARN member institutions	9,000 Baht (US260)
Student	7,000 Baht (US200)

This fee covers costs of lunch, refreshments, welcome dinner and conference kit. The registration form and payment information can be downloaded from the GMSARN website www.gmsarn.org. Special rate accommodation at conference site hotel should be booked using the conference reservation form to the GMSARN Secretariat.