



Arab Atomic Energy Agency



League of Arab States

*The First Arab  
Conference on the  
Prospects of Nuclear  
Power for Electricity  
Generation and  
Seawater Desalination*

Hammamet - TUNISIA  
23-25/6/2010

In Cooperation with



International Atomic Energy Agency

PROGRAM



AAEA



LAS



IAEA

**The First Arab Conference  
on the Prospects of Nuclear  
Power for Electricity Generation  
and Seawater Desalination**

Hammamet – Tunisia : 23-25 June 2010

**PROGRAM**

## Tuesday, 22 June 2010

19:00-21:00 Reception & Registration

## Wednesday, 23 June 2010

09:00-10:00 Registration

10:00-10:40 Opening Session :

Arab Atomic Energy Agency,  
**Abdelmajid Mahjoub**

League of Arab states, Energy  
Directorate, **Imad Abu Naaj**

International Atomic Energy Agency,  
**Yuri Sokolov**

Tunisian Company of Electricity and  
Gas, **Othman Ben Arfa**

Ministry of Higher Education &  
Scientific Research, **H. E. Refaat  
Chaabouni**

10:40 -11:00 break

## Arab Nuclear Power Programs

Session 1 : Chairman : **Kamal Araj**

11:00-11:20 IAEA Policy and Recommendations to  
Countries Embarking on Nuclear Power  
Program, *Yuri Sokolov, Deputy  
Director General, Head of Nuclear  
Energy Department, IAEA, Austria.*

11:20-11:40 Building a Nuclear Power Infrastructure:  
The IAEA Milestone Approach.  
*Vincent Nkong-Njock, IAEA, Austria.*

11:40-12:00 The Egyptian Program. *Yasin Ibrahim,  
Nuclear Power Plants Authority, Egypt.*

12:00-12:30 Coffee break

- 12:30-12:50 : The Jordanian Program. **Kamal Aradj**,  
*Atomic Energy Commission, Jordan.*
- 12:50-13:10: The Libyan Program. **Almukhtar Ashur**,  
*Atomic Energy Establishment, Libya.*
- 13:10-13:30: The Moroccan Program. **Tajeddine  
Karim**, *National Office for Electricity.*
- 13:30-13:50 : The Iraqi Program. **Hamid Albahily**,  
*Ministry of Higher Education and  
Scientific Research , Iraq.*
- 13:50-14:20: The Tunisian Program. **Mustafa Fekih**,  
*The Tunisian Company for Electricity  
and Gas, Tunisia.*
- 14:20-14:30: The Sudani Program. **Kauther Alshaikh**,  
*Ministry of Energy and Mining. Sudan.*

14:30-16:00 Lunch break

## **The Arab Cooperation in Nuclear Power Plants Building**

- Session 2 : Chairman: **Imad Abu Naaj**
- 16:00-16:20: The Possible financial models for  
building NPP in Arab Countries.  
**Mustafa Bahran**, *Expert.*
- 16:20-16:40: A Proposal for more Effective Training  
in Countries Developing Nuclear Power.  
**Ahmad Abdelhalim**, *Durst Nuclear  
Engineering and Consulting INC, USA.*
- 16:40-17:00: Arab Electric Grid Interconnections and  
its Role in Supporting NPP projects in  
Arab Countries. **Khalid Hassan**,  
*Directorate of Energy, League of Arab  
States.*

17:00-17:20 : Role of Nuclear Option in the Future Arab Energy Supply Strategies and Infrastructure Requirements: A Regional Approach. **Ali Hainon**, Directorate of Energy, League of Arab States.

17:20-17:40 : An Integrated Arab Program for Building NPP: AAEA Vision for a regional programme. **Daw Mosbah**, AAEA.

17:40-18:00 : Discussion

21:00-23:00 First Day Conference Dinner

**Thursday, 24 June 2010**

## **The International Experience in Nuclear Power**

Session 3 : Chairman: **Peter C. H. Yun**

09:00- 09:20 :The Korean Nuclear Experience. **Youn Won Park**, Korea Institute of Nuclear Safety, South Korea.

09:20-09:40 : Nuclear Power Plants construction in China. **Wang Ying**, National Energy Administration, China.

09:40-10:00 : Nuclear Power Generation in Emerging Economies, challenges and solutions. **Ahab Abdel-Aziz**, Heenan Blaikie, Canada.

10:00-10:20 : Malaysian Nuclear Power Program, **Noramly Bin Muslim**, University Kebangsaan, Malaysia.

10:20-10:40 : Infrastructure Development through Civil Nuclear Cooperation. **Marc Humphery**, Department of State, USA.

10:40-11:00 : The Coupling of Nuclear Power and Desalination Plant. *Xin Tianmin, China National Nuclear Corporation, China.*

11:00-11:30 Coffee Break

## **Topical issues for Establishing Nuclear Power Programmes**

Session 4 : Chairman: **Hamed Maedi Al Bahli**

11:30-11:50 : IAEA's Support for Nuclear Power Planning and Development: Scope of Agency Services and Technical Cooperation Modalities. *Ali Boussaha, Director Division for Africa, IAEA, Austria.*

11:50-12:10 : Uranium Exploration and Mining Contracts. *Chris Brown, Norton Rose LLP, International Law Firm, UK.*

12:10-12:30 : Procurement of Nuclear New Build. *Andrew Buisson, Norton Rose LLP, International Law Firm, UK.*

12:30-12:50: Environmental Survey Optimization: The IRSN experience. *Christophe Debayle, Environment and Emergency Preparedness Directorate, Institute of Radioprotection and Nuclear Security, France.*

12:50-13:10 : Bringing to the Region Harmonized Legal Infrastructure for Nuclear Power Programmes. *Joseph Huse, Freshfields Bruckhaus Deringer, USA.*

13:10-13:30 : Design criteria and methods to implement state of the art radiation monitoring systems. *Francesco Vicinanza, MEATECS, Austria.*

13:30-15:00 Lunch Break

Session 5 : Chairman: **Adel Trabelsi**

15:00-15:20: Regulatory Initiatives for Enhancing Nuclear Safety in Korea. **Youn Won Park**, *Korea Institute of Nuclear Safety, South Korea.*

15:20-15:40 Regional Cooperation on Storage and Disposal: An Optimal Strategy for Small and New Nuclear Programmes, **Charles McCombie**, *Arius Assocaition, Switzerland.*

15:40-16:00 EPR Reactors: The Simulator at the Heart of the design. **Abbas Jalaly Jafary**, *AREVA, France.*

16:00-16:30 Coffee break

16:30-16:50 The Main Key Elements of New Nuclear Site Selection & Environmental Assessment. **Abbes Bellil**. *GENIVAR, Nuclear Engineering Consulting Co, Canada.*

16:50-17:10: Severe Accident Mitigation in Modern NPP. **Neil Harman**, *Serco Technical Services, UK.*

17:10-17:30: Fixed Bed Nuclear Reactor for Developing Countries. **Farhang Sefidvash**, *University of Rio Grande do Sul, Brazil.*

17:30-18:00: Discussions

**Friday, 25 June 2010**

**Safety, Security and Safeguards**

Session 6: Chairman: **Mahmoud Nasreddine**

09:30-10:00 The Global Nuclear Safety, Security and Safeguards Regime. **Mamdouh El-Shanawany**, *Safety Assessment Section, Division of Nuclear Installation Safety, IAEA, Austria.*

10:00-10:20 The Golf Nuclear Energy Infrastructure Institute: An Integrated Approach to Safety, Security and Safeguards. **Adam David William**, *Sandia National Laboratory, USA.*

10:20-10:40 Security and Safeguards Problems of Generation IV Nuclear Energy Systems. **Massimo Zucchetti**. *Polytechnic of Torino, Italy.*

10:40-11:00 The Vital Role of Human Factor and Safety Culture in the Safety of Nuclear Power Plants around The World. **Najmeddine Meshkati**, *University of Southern California, USA.*

11:00-11:20 Coffee Break

Session 7 : Chairman: **Yasin Ibrahim**

11:20-11:40: Networking in Technical Safety: The Experience of the TSO Network in Europe. **Cheikh-Ali Ahmad**, *Institute of Radioprotection and Nuclear Security, France.*



11:40-12:00: Development of Probabilistic Seismic Hazard Analysis for International Sites: Challenges and Guidelines. **Paul C. Rizzo**, *PCR Associates Inc., USA*.

12:00-12:20: Introduction to Sandia National Laboratories and Global Security Programs. **Henry Abeyta**, *Sandia National Laboratory, USA*.

12:20-12:40: Nuclear Safety and Security: Network proposal for Arab Countries, **Daw Mosbah**, *AAEA*.

12:40-13:00: Discussions

13:00-15:00 Lunch Break

15:00-16:00 : Closing Session, Summary and Conclusions :

Arab Atomic Energy Agency,  
**Abdelmajid Mahjoub**

League of Arab states, Energy Directorate, **Imad Abu Naaj**

International Atomic Energy Agency,  
**Yuri Sokolov**

Tunisian Company of Electricity and Gas, **Othman Ben Arfa**

Ministry of Industry and Technology,  
**H. E. Abdelaziz Rassaa**

21:00-23:00 Closing Day Conference Dinner