



**IAMOT**  
International Association  
for  
Management of Technology

**IAMOT 2007 : 17<sup>th</sup> International Conference on Management of Technology  
Dubai International Convention and Exhibition Centre (DICEC), Dubai, UAE  
April 6-10, 2008**

**Special Track  
" Nuclear Desalination "**

**Presentation:**

One of the greatest perils that the 21st century will have to address concerns the supply of water to a large part of the planet. According to the World Health Organization (WHO), one of a half billion people do not enjoy access to healthy water today. This deficit is expected to affect nearly half of humanity in 2050, if nothing is done to meet the challenge. More than two million persons already die every year from the direct consequences of the lack of water. The issue is already generating regional tensions, and we cannot rule out "Hydroconflicts", which could spread across the entire planet. The optimized management of water resources alone cannot meet this challenge. Greater reliance will be necessary on desalination and wastewater recycling, which represents a market estimated by the World Bank at a minimum of 600 billion dollars in the next ten years.

Technological advances achieved in recent years mean that, alongside conventional techniques which in any case cannot alone satisfy this demand, nuclear energy is now viable for seawater desalination and/or wastewater recycling. With nuclear energy, used in mixed mode - power generation/freshwater production – there is a technology that can economically meet the challenge of the planet's drinking water supply.

IAMOT should use this as an opportunity to highlight the potential role of the atom over the next fifty years in organizing in the framework of its International Conference a special session dedicated to the management of nuclear technologies.

**Subject coverage:**

- Basic research
- Applied research
- Technology management
- Engineering of complex systems
- Maintenance and upkeep
- Nuclear fuel cycle
- By-product and end-product management
- Economics, planning, programming, management and control of major projects
- Industrial strategy and policy
- Investment management
- Economic and social constraints and repercussions (financing, technological

- dissemination, tariff policy, health, epidemiology, ...)
- Impacts, spinoffs and industrial, agricultural and humanitarian consequences
  - Sustainable development
  - Quality, safety and security
  - Risk management
  - Transfers of technology
  - Proliferation
  - Nuclear regulation
  - Legal

**Registration and Submission**

[Registration and submission of papers](#) will respect the general process of IAMOT.

**Publication:**

Selected papers will be published in [International Journal of Nuclear Desalination](#) - IJND