

CONFERENCE SCOPE

GLOBAL 2011 is the 10th conference after GLOBAL2009 in Paris. Based on the long-term needs to realize sustainable energy and mitigate the climate change, last conferences were successfully promoted the global initiatives of 'nuclear renaissance'. However, the severe accident at the Fukushima Daiichi Nuclear Power Plant destroyed its trend due to reveal the vulnerability of nuclear power plants and betray public trust in nuclear safety. We offer our deepest condolences to all affected by the tragic chain of events following the devastating earthquake and consequent tsunami attacked east Japan on March 11, 2011.

The Fukushima Daiichi accident is the third serious Nuclear Power Plant accident in the world, followed by TMI and Chernobyl, giving enormous impact on nuclear politics in Japan and around the globe. It is important to draw lessons and share them globally, based on the technical, scientific and social sequences experienced the Fukushima Daiichi accident; even in the accident was triggered by a historically unprecedented scale of disaster; huge earthquake and tsunami. We should take measures; 'never such accident occur anywhere in the world'.

GLOBAL 2011 should be the opportunity to discuss medium- and long-term atomic energy and nuclear fuel cycle forecasts after the Fukushima Daiichi accident across nations and beyond generations. How to overcome the accident and recover the public trust is the worldwide big concerns. Various suggestions and discussions are welcome in GLOBAL 2011 special sessions.

MAIN TOPICS (tentative)

- ✧ **Fukushima Daiichi accident**
 - 0) Fukushima Daiichi accident
- ✧ **Global Prospects of Nuclear Energy**
 - 1) Nuclear energy strategy
 - 2) Sustainability of nuclear energy systems
 - 3) Fuel cycle strategy
- ✧ **Advanced / Innovative Fuel Cycle Systems and Technologies**
 - 4) Advanced fuel cycle systems (LWR to FR transition)
 - 5) Partitioning & transmutation
 - 6) Advanced reprocessing technologies
 - 7) Advanced fuels / targets and materials
 - 8) Innovative nuclear energy systems beyond 2030
- ✧ **Current Fuel Cycle Technologies and their Improvements**
 - 9) Improvements in reprocessing and vitrification technologies
 - 10) Radioactive waste treatment and disposal options
 - 11) Spent fuel management
 - 12) Uranium resource and fuel supply
- ✧ **Next Generation Reactors**
 - 13) Advanced reactors
 - 14) Nuclear safety
 - 15) Nuclear hydrogen and other utilization
- ✧ **Nuclear Nonproliferation**
 - 16) Proliferation resistance, safeguards and nuclear security
 - 17) Multilateralization of nuclear fuel cycle
- ✧ **International Collaboration and Public Acceptance**
 - 18) International cooperation, research and test facilities sharing
 - 19) Social issues and public acceptance
 - 20) Human resource development

MEETING VENUE

Makuhari Messe

<http://www.m-messe.co.jp/en/index.html/>



KEY DATES

Dead lines

Jun. 30, 2011 Submission of abstracts topic 0 and revised abstracts for other topics

Jul. 31, 2011 Authors notification of acceptance

Sep.30, 2011 Full papers submission

Meeting Date

December 11-15, 2011

Tsuruga Session

December 16, 2011

ABSTRACT SUBMISSION

- Abstract should indicate the Topic number and choice of poster or oral presentation.
- Abstract should be 1 page within 450 words with name, affiliation, country (nationality) and email information.

WORKING LANGUAGE

English

Official Home Page

<http://global2011.org/>