



**INTERNATIONAL SYMPOSIUM ON  
DAMS FOR A CHANGING WORLD**  
-Need for Knowledge Transfer across the Generations & the World  
Kyoto, Japan June 5, 2012



# Call for Papers

**Abstract dead line : July 31, 2011**

**Full Paper dead line : November 15, 2011**



Tokuyama Dam, presented by JWA

**Organized by the CIGB-ICOLD Organizing Committee for  
ICOLD 2012 Kyoto  
during the 80th Annual Meeting and the 24th Congress**

## About the Symposium - Invitation

The CIGB-ICOLD Organizing Committee for ICOLD 2012 Kyoto is pleased to invite professionals, managers and decision makers from the international dam community to the International Symposium on DAMS FOR A CHANGING WORLD, Need for Knowledge Transfer across the Generation & the World. The Symposium will be held on June 5 during the 80th Annual Meeting and the 24th Congress from June 1 to 8, 2012. The Symposium will be organized so as to give as much time to speakers for discussions. To stimulate discussion on the oral presentations, experts will be asked to present the latest developments in their field of expertise and to give his/her views on the key issues raised and interact with participants during Q&A sessions.



Papers will be presented orally by authors or postered in the lobby adjacent to the meeting room. The official language will be English only.

The authors wishing to make a presentation and other participants to the Symposium are requested to register to the 80<sup>th</sup> ICOLD Annual Meeting and the 24<sup>th</sup> ICOLD Congress prior to the symposium, following the instruction of <http://icold2012kyoto.org/symposium/index.html>.

## Submission Procedure

Authors are cordially invited to submit an abstract within 400 words (1 page) in one or more of the themes listed below. Authors whose abstracts have been accepted will be invited to submit full papers, of which papers selected for oral presentation will be published in the symposium proceedings, whilst the total papers at the Symposium will be available on CD-ROM. Detailed instructions on preparation and submission of abstracts and full papers can be found at

<http://icold2012kyoto.org/symposium/index.html>.

## Key date

|  |                     |
|--|---------------------|
| Abstract submission deadline           | : July 31, 2011     |
| Notification of acceptance             | : August 31, 2011   |
| Full paper submission deadline         | : November 15, 2011 |
| Final notification of paper acceptance | : March 15, 2012    |
| Symposium                              | : June 5, 2012      |



# Symposium Themes

- (1) Impacts of Climate Change on Dams and the Benefits from Dams
  - Role of dams in the adaptation to climate change
  - Assessment of climate change impacts on water resources and floods
  - Climate change impacts on water storage facilities and its mitigation
  - Role of hydropower in a low carbon society
  - Guidance and policies on climate change adaptation planning
  - Research needs for a more reliable knowledge on climate change
  - The impact of climate change on dam safety
  - The role of dams in mitigating storm floods
  - The monitoring and operation of dams during flood
- (2) Dams for Meeting Increasing Demand of Growing World Population
  - Food, energy and water - needs for dams in developed and developing countries
  - Coexistence of dams with society and the environment
  - Management of reservoir sedimentation
  - Financial aspects of dams
  - Institutional, planning and regulatory aspects
  - The benefits of dams and new technologies in providing potable water supply
- (3) Knowledge & Technology Transfer in Dam Engineering
  - Knowledge transfer & succession planning
  - Transfer of information across the world
  - Methods of information transfer to the next generation
  - Case studies of technology transfers
- (4) Advanced Technologies for Construction of Dams
  - Recent development in RCC dams and hardfill (CSG) dams
  - Recent development in embankment dams
  - Recent development in appurtenant structures
- (5) New Techniques to Prevent and Manage Incidents & Accidents
  - Information and communication technology for operation and monitoring
  - Technologies to prevent accidents and incidents
  - Remedial technologies
  - Case studies
- (6) Earthquakes
  - Recent strong earthquakes and the behavior of dams
  - Lessons from case histories of dams and appurtenant structures subject to earthquakes
  - New methodologies to predict causative faults and earthquake ground motions
  - Design and operation of hydraulic structures to resist earthquakes
  - Emergency measures taken after earthquakes
  - Performance monitoring for seismic events
- (7) Geotechnical Aspects of Dam Foundations
  - New techniques in exploration and evaluation
  - Treatment technologies: efficiency and long-term performance
  - Treatment of difficult geological conditions
  - Design technologies for dams on weak foundations
- (8) Others

## Venue : Kyoto, Japan

Kyoto, the ancient capital of Japan, was the centre of politics and culture for over a thousand years. Even today Kyoto is proudly the culture heart of Japan and considered to be the true home of all Japanese. The Kyoto region is famous worldwide for her cultural assets, which include UNESCO World Cultural Heritage Sites and a wealth of traditional arts and crafts. Those who visit Kyoto are overwhelmed with her charm ; and we hope you will be too.

The symposium will be held in the Kyoto International Conference Center (ICC Kyoto), venue of the 80<sup>th</sup> Annual Meeting & the 24<sup>th</sup> International Congress of ICOLD, has shaped the history of conventions in the country since 1966. It will provide convenience to the symposium participants, who join the ICOLD meeting.

## Committees

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