



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



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 2 to 8, 2012.

Papers are invited on the topics listed below.

- (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



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- 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

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.

Orally presented papers will be published in the symposium proceedings, whilst the total papers at the Symposium will be available on CD-ROM. 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 80th ICOLD Annual Meeting and the 24th ICOLD Congress



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prior to the symposium, following the instruction shown in the web site of <http://icold2012kyoto.org/>

Key date

Abstract submission deadline	: August 31, 2011
Notification of acceptance	: September 30, 2011
Full paper submission deadline	: December 16, 2011
Final notification of paper acceptance	: March 15, 2012
Symposium	: June 5, 2012

Venue Detail

<http://www.icckyo.or.jp/en/index.html>

Program Schedule

Opening	9:00-9:30	Room A
Keynote Presentation	9:30-10:00	Room A
Coffee Break	10:00-10:20	
Oral Sessions	10:20-12:00	Room A, B-1, B-2, C-1, C-2
Lunch	12:00-13:30	
Oral Sessions	13:30-15:10	Room A, B-1, B-2, C-1, C-2
Poster Session / Coffee Break	15:10-16:10	Corridors outside of each session room
Oral Sessions/ Closing	16:10-17:40	Room A, B-1, B-2, C-1, C-2

Note) Posters of the poster session will be moved to the exhibition room after closing, if without putting off by the authors.

For any inquires about the symposium, please contact:

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