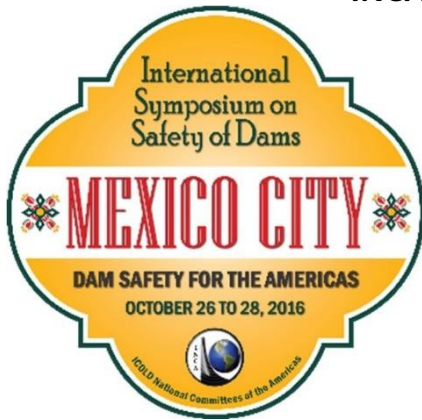


INCA 2016 - Dam Safety for the Americas



Symposium Program

Conference Co-Chairs:

Humberto Marengo Mogollon, Mexico

Universidad Nacional Autónoma de Mexico

President, ICOLD National Committees of the Americas

John S. Wolfhope, USA

President, United States Society on Dams

Wednesday, 26 October

08:15-08:45

Inauguration

Luis Alvarez de Icaza, Engineering Institute.

Jose Luis Fernandez Sayas, General Director, INEEL.

Humberto Marengo, President, INCA

08:45-09:15

Keynote Address: Dam Safety in the Americas

Michael F. Rogers, ICOLD Vice-President, USA

09:15-13:15

Dam Safety Governance

Moderator:

Brian Becker, USA

09:15-09:35

ICOLD Committee on Dam Safety Overview

09:35-10:00

Canadian Regulatory Framework (**Clare Raska**, Canada)

10:00-10:25

Brazilian Regulatory Framework (**Carlos Henrique Madeiros**, Brazil)

10:25-10:50

Break in Exhibit Hall

10:50-11:15

USA Regulatory Framework (**Brian Becker**, USA)

11:15-11:40

Dam Safety Guidelines (**Fabio Micheli**, Italy)

11:40-12:05

Paraguay Regulatory Framework (**Mariano Abud, Luis Vellacich**, Paraguay)

12:05-12:30

Argentina Regulatory Framework (**Fabian Restelli**, Argentina)

12:30-13:00

Final Remarks from Moderator/ Presenters

13:00-14:00

Lunch (at Engineering Institute Building)

14:00-17:45

Risk-Informed Dam Safety

Moderator:

George Kelley, USA

14:00-14:20

Introduction and Overview (**George Kelley**, USA)

14:20-14:45

The Past is Prolog - Historical Perspective of Dam Safety Risk Management Programs in the United States (**Marty McCann**, USA)

14:45-15:10

United States Perspective - Evolution of Risk Management (**Doug Boyer**, USA)

INCA 2016 - Dam Safety for the Americas

Symposium Program (Cont.)

15:10-15:35	Brazilian Perspective – Risk Management - (Ricardo Aguiar Magalhães, Brazil)
15:35-16:00	Canadian Perspective - Risk Management in the Provinces (Stephen Rigbey, Canada)
16:00-16:25	Break in Exhibit Hall
16:25-16:50	Risk Management in The Dam Safety Industry (David Bowles, USA)
16:50-17:15	Dam Safety Program (Bulletin 158 of ICOLD), (Alejandro Puyol, Argentina)
17:15-17:40	Final Remarks from Moderator/Presenters.
18:00-19:00	Return to Radison Hotel
19:00-19:30	Return to UNAM with spouses.
19:30-21:30	Mexican Party dinner (at Engineering Institute Building).

Thursday, 27 October

08:00-08:25	Case Study: Monitoring and Behavior of Mazar Dam, in Ecuador (Francesco Amberg, Switzerland)
08:30-12:30	Hydraulic and Hydrologic Design Criteria
Moderator:	Brasil Machado, Brazil
08:30-09:00	Hydraulics for Dams in ICOLD (Brasil Machado, Brazil)
09:00-09:30	Flood Design Criteria for Large Dams (Alvaro Aldama, Mexico)
09:30-10:00	Unconventional Underground Spillways: Two cases of Operating Plants Ing. Lourenço Babá, Brazil)
10:00-10:30	Spillway Design (Blake Tullis, USA)
10:30-11:00	Break in Exhibit Hall
11:00-11:30	Case Study: Mexico (Ramón Domínguez, Mexico)
11:30-12:00	Case Study: Ecuador HEP Cardenillo (Géraud Soubrier/Dr. Roland Schmidt, France)
12:00-12:30	Final Remarks from Moderator/Presenters
12:30-13:30	Lunch (At Engineering Institute Building)
13:30-17:20	Seismic Design Criteria
Moderator:	Juan Mayoral, Mexico
13:30-13:50	Seismic Design Criteria in ICOLD (Juan Mayoral, Mexico)
13:50-14:20	Case Studies in Seismic Assessments of Concrete Dams (Dan Curtis, Canada)
14:20-14:50	Embankment Design (Camilo Marulanda, Colombia)
14:50-15:20	Case Study: Dynamic Response of RCC Dams under Seismic Action (David Porras, INEEL, Mexico)
15:20-15:50	Case Study: A New Methodology for Risk Analysis (Eduardo Pérez Rocha, Mexico)
15:50-16:20	Break in Exhibit Hall
16:20-16:50	Case Study (To be determined)
16:50-17:20	Final Remarks from Moderator/Presenters

INCA 2016 - Dam Safety for the Americas

Symposium Program (Cont.)

17:30-18:00 Meeting of INCA Representatives (Engineering Institute Meeting Room)

19:00-21:30 Thursday Reception and Dinner (Restaurante los Arcos)

Friday, 28 October

8:00-10:05 **Overtopping Case Studies**

Moderator: Humberto Marengo, President, INCA

8:00-8:25 Recognition Raul J. Marsal (**Luis Montañez, Jorge Castilla**, México)

8:25-8:50 Case Study, Descriptive Memory of Accident at the Fundão Mariana Dam, (**Ricardo Aguiar Magalhães**, Brazil)

8:50-9:15 Case Study, Dam Safety during construction, Lessons of the Overtopping Diversion works at Aguamilpa Dam, (**Humberto Marengo**, Mexico).

9:15-9:40 Case Study, La Josefina Dam, Design Implications in the Dam Mazar, (**Julio Robles and Roque Proaño**, Ecuador)

9:40-10:05 Final Remarks from Moderator/Presenters

10:05-10:30 **Break**

10:30-13:00 **Earth and Rockfill Dam Safety and Practice**

Moderator: Manoel Sousa Freitas, Brazil

10:30-10:55 Reliability of Earth and Rockfill Dams (**Gabriel Auvinet**, Mexico)

10:55-11:20 Rockfill Dam Design Practice (**Camilo Marulanda**, Colombia)

11:20-11:45 Earthen Dam Design Practice (**Manoel Sousa Freitas**, Brazil)

11:45-12:10 Case Study: Stability Conditions of Necaxa Dams (**Nicolás Melchor García**, Mexico)

12:10-12:45 Recent Developments in Geotechnical Instrumentation and Dam Safety Monitoring, **Pierre Choquet**, Canada and **Luis E. Chávez Ramirez**, Mexico)

12:45-13:00 Final Remarks from Moderator/Presenters

13:00-13:30 **Closing of Symposium**