

20th October 2011

TIME	SESSION
8:00-17:00	Registration
09:00 - 11:00	BW Opening Ceremony JOSE POLIMÓN , Spanish National Committee on Large Dams (SPANCOLD), Spain JOSE E. CAPILLA , Research Institute of Water and Environmental Engineering (IIAMA), Spain JUAN B. MARCO , Department of Hydraulic and Environmental Engineering (DEPHMA), Spain ALAIN CARRERE , Coyne et Bellier, France <i>The importance of numerical modelling on dam engineering</i> IGNACIO ESCUDER , Universitat Politècnica de València (UPV), Spain <i>New challenges for ICOLD Committee A - Committee on Computational Aspects of Analysis and Design of Dams</i>
11:00 - 11:30	COFFEE BREAK
11:30 - 14:00	Theme A - "Effect of Concrete Swelling" <i>Chair: CHRISTINE NORET, Coyne et Bellier, France</i> INTRODUCTION THEME A Presentation of Solutions by: - Antonella Frigerio, Giorgia Faggiani, Piero Masarati & Massimo Meghella (RSE Milano, Italy) - Javier Rodríguez, Patricia González, Francisco Martínez & Joaquín Martí (Principia, Spain) - Jaime Moles & Etienne Grimal (EDF, France) - Thomas Menouillard, Jean-François Seignol, Liviu-Ioan Boldea, Patricia Roue, Anton Tzenkov & Russell Michael Gunn (STUCKY Ltd, Switzerland) - Rita Esposito & M.A.N. Hendriks (TUDELFT, The Netherlands), G.Lilliu & G.M.A Schreppers (TNO DIANA BV, The Netherlands) - G.M.A Schreppers & G.Lilliu (TNO DIANA BV, The Netherlands) - Vladimir Kostylev (The B. E. Vedeneev VNIIG, Inc., Russia) - D. Curtis, L. Feng & M. Lafreniere (Hatch Ltd., Canada) - P.Y. Meriot, X. Molin and C. Noret (Tractebel Engineering/ Coyne et Bellier, France) COMPARISON & DEBATE
14:00-15:00	LUNCH
15:00 - 16:30	EUGENIO OÑATE International Center for Numerical Methods in Engineering (CIMNE), Spain <i>Advance in development of particle-based methods and finite element methods for fluid-soil-structure interaction problems</i> CAMILO MARULANDA INGETEC, Colombia <i>Behavior and analysis of CFRDs – a follow up of the 10th ICOLD Benchmark Workshop</i> DEREK SAKAMOTO Brithish Columbia Hydro, Canada <i>A Case Study in Loss of Life Risk Assessment for Dam Facilities Using a Simulation Model</i>
16:30 - 17:30	Theme B - "Overtopping and seepage evolution" <i>Chair: ANTONIA LARESE, International Center for Numerical Methods in Engineering (CIMNE), Spain</i> INTRODUCTION THEME B Presentation of Solutions by: - Antonia Larese, Riccardo Rossi & Eugenio Oñate (CIMNE, UPC, Spain) - Eduardo Salete, Sergio De Rico Herrero, Cristina Rodríguez Alvarez, Ruben Establés Antón & Sheila Coca Sola (INGECIBER SA, Spain) COMPARISON & DEBATE
20:30	BENCHMARK WORKSHOP DINNER

OPENING
SPECIAL LECTURE

SPECIAL LECTURE

21st October 2011

TIME	SESSION
8:00-17:00	Registration
09:00 - 11:00	<p>Theme C - "Probability of failure and safety coefficient" Chair: LUIS ALTAREJOS, Universitat Politècnica de València (UPV), Spain</p> <p>INTRODUCTION THEME C</p> <p>Presentation of Solutions by:</p> <ul style="list-style-type: none"> - Antonella Frigerio, Giorgia Faggiani, Piero Masarati & Massimo Meghella (RSE Milano, Italy) - Adrian Popovici & C. Illinca (Technical University of Civil Engineering Bucharest) - Bachir Touileb (Sogreah Consultants, France) - Alexandra Krounis & Fredrik Johansson (Royal Institute of Technology, Sweden) - Dmitry Shcherba (Hydraulic Engineering Research Institute, Saint-Petersburg, Russia) - Miriam Mercedes Cabrera Carpio & Rafael Jiménez-Rodríguez (Technical University of Madrid, Spain) - Mara Gascó Jiménez (Universitat Politècnica de València, Spain) <p>COMPARISON & DEBATE</p>
11:00 - 11:30	COFFEE BREAK
11:30 - 14:00	<p>Theme D "Open Technical Session" Chair: GUIDO MAZZA, RSE Milano, Italy</p> <p>INTRODUCTION THEME D</p> <p>Panos Dakoulas University of Thessaly, Greece Seismic behavior of concrete face rockfill dams & Effect of longitudinal vibrations on the behavior of concrete faced rockfill dams</p> <p>Francisco Javier Sánchez Caro Geotecnia de Proyectos y Obras (GEOprob), Spain Non-Elastic movements analysis in order to evaluate arch dam safety</p> <p>Richard Malm, Daniel Eriksson, Tobias Gasch, Manouchehr Hassanzadeh Vattenfall Research and Development AB, Sweden Probabilistic analyses of thermal induced cracking in a concrete buttress dam</p> <p>I. Aliguer, I. Carol, E.E. Alonso, F. Río, R. Griñó Universitat Politècnica de Catalunya (UPC), Spain / ENDESA, Madrid, Spain Numerical analysis and safety evaluation of a large arch dam founded on fractured rock, using zero-thickness interface elements and a c-fi reduction method</p> <p>DEBATE</p> <p>Sam Johansson, Pontus Sjödhahl Hydroresearch, Sweden Numerical modeling of seepage and temperature for internal erosion detection in embankment dams</p> <p>Alan Jeary STRAAM Corporation Risk-based assessment of dams using the measurement of low-amplitude dynamic response</p> <p>Javier Rodríguez, Patricia González, Francisco Martínez, Joaquín Martí Principia Ingenieros Consultores S.A., Madrid, Spain Concrete swelling in two spanish dams</p> <p>Fernando Salazar, Rafael Morán, Riccardo Rossi, Antonia Larese International Center for Numerical Methods in Engineering (CIMNE), Spain Numerical modeling of the hydraulic performance of Oliana Dam spillway using Kratos</p> <p>Daniel Pozo, Fernando Salazar, Miguel Á. Toledo, Miguel Á. Celigueta International Center for Numerical Methods in Engineering (CIMNE), Spain Numerical modeling of the aeration in bottom outlets using the particle finite element method (PFEM)</p> <p>DEBATE</p>
14:00-15:00	LUNCH
15:00 -17:00	<p>Round Table IGNACIO ESCUDER, Universitat Politècnica de València (UPV), Spain</p>