HYDROPOWER'15 - SYMPOSIUM PAPERS
MONDAY 15 JUNE 2015

Plenary Session

J. Linortner, R. Faber, E. Üzücek, T. Dinçergök, Turkey.

Design considerations for the Storstemelk hydropower station, South Africa.
B. J. Rocheouste, Collet, A. L. Olivier, South-Africa.

Contributions of Applied Metrology for Concrete Dam Monitoring

Climate Change Impacts on Hydropower Generation in the Myitnge River Basin, Myanmar
M. Khaing, Myanmar

PARALLEL SESSIONS

Parallel Session 1

Evaluation of the Hydrological risk during the construction of the Kavsakbendi dam and HEPP.
R. Haselsteiner, K. Z. Özbek, T. U. Evcimen, Turkey

Suggested Probabilistic Model Code for Probability-Based Assessment of Concrete Dams.

Model studies of the Chucás hydroelectric project.
Capuozzo, M. Gil Flores, Jiménez, D. Bacchiega, Costa Rica & Argentina.

Parallel Session 2

The Sermo Dam Experience, Indonesia – Community Development as Key Success for Dam Project Implementation and Operation.
V. Ariyanti, R. Sjamsinarsi, A. Wicaksono, Indonesia.

Use of 3D visualization in early phase planning of hydropower projects.
G. A. Hansen, Multiconsult, Norway

R. P. Singh, H.P. Nachtnebel, Nepal

The Tragic Destiny of Uremia Beautiful Lake and Its Relation to Agricultural Development and Construction of Dams.
A. M. Hossein Nezhad, Y. Aliyari, Iran

Development of a software suite for the structural analysis and design of concrete gravity dams.
A. Akman, Y. Arici, B. Binici; O. Kurc, Turkey

Parallel Session 3

Emergency Preparedness for Dam Failures – Developments and Challenges
A. Engström Meyer, M. Bartsch, Sweden

Implementation of Dam Safety in Indonesia
A. Mayangsari, T. Bayu Adjı, Indonesia
Natural hazards analysis in large dams
L. Perez Rocha, M. Fernandez Torres, A. Alcaraz, M. Garduño, Mexico

Effective Allocation of Excavation Risk in Hydropower Projects
A. Hodgkinson, A. Wilson, Australia

Parallel Session 4

Regionalization of Parameters of Rainfall-Runoff Model for Small Reservoir Risk Analysis
B. Han Choi, H. Hwan Kwon, S. Hwan Jang, Korea

Feasibility of using small dams in water harvesting, Northern Iraq
N. Al-Ansari, S. Knutsson, S. Zakaria, M. Ezzeldin, Sweden & Iraq

Towards Optimization of the Required Capacity of Re-regulating Dams: results of an actual experiment.
H. Hassani, Iran.

Design Rehabilitation of Wonogiri Dam, Central Java Province – Indonesia
C. Dwi Yuliningtyas, D. A. Semadhi Kubontubuh, Indonesia

PARALLEL SESSIONS

Parallel Session 3

Analysis of Measured Seepage Rate of Rockfill Dams
J. Lee. Korea

Verification of Remote Sensing in Dam Surveillance
Ø. Lier, I. Ekström, Y. Larsen, T. R. Lauknes, Sweden

Roles of dam risk analysis in dam safety practice in South Korea
H. H. Kwon, J. Y. Kim, T. W. Kim, J. Y. Lim, Korea

Parallel Session 4

Cascade Reservoirs Optimization in Citarum River Indonesia.

Uncertainty Assessment on parameters of Clark Unit Hydrograph with Limited Events
J.H. Kwon, T.H. Kim, T.H. Bae, Y.I. Moon, Korea

Increasing Generation Capacity at Ponte Serra Dam; Italy’s Oldest Operating Dam.
G. Cutano, P. Macciacchiera, R. Berg, Italy.

Performance Improvement of Headworks: A Case of Kalignadaki. A Hydropower Project Through Physical Hydraulic Modelling
M. B. Bishwakarma, Nepal

Parallel Session 5

Operation and Maintenance of Electro-Mechanical Equipment of Sabalan Dam
M. Rezaifardi, S. Partovi Azar, Iran

Failures and durability analysis of a small hydro power plant
A. Drab, J. Riha, M. Spano, Czech Republic

Operational Performance of Djuanda Dam - Indonesia
I. Srihadi, B. Gunady, R. Mayasari, Indonesia

Profitability analysis of hydropower maintenance and reinvestment projects
T.M. Welte, E. Solvang, O. Øen, R. Jordet, P. Golberg, B. Børresen
TUESDAY 16 JUNE

PARALLEL SESSIONS

Parallel Session 1

Alternative Methods to Determine the Ice Load on Concrete Dams.
R. Malm, F. Johansson, L. Fransson, Sweden

Modelling Southeast Asian Subduction Zones for Seismic Hazard Assessments
V. Dimas, A. M. Kaynia, G. Gibson, Australia

Sarvsfossen Dam – Design of a Norwegian Concrete Arch Dam.

Parallel Session 2

Cetin HPP with ACRD in Turkey.
C. F. Grøner, E. Høva, Ø. Lilieand, Norway.

Silvan Dam and Revisions to Adapt for Latest Developments in High CFRD
Ö. Özen, H. Küsmez, A. Akman, Turkey

The Use of Nonlinear Analyses Tools for the Structural Design of Concrete Dams.
B. F. Soysl, Y. Arici, Iran

Progress on the Hydropower Component of Kashimbilla Multipurpose Dam Project, Nigeria
A. Adebisi, R. Ikpeawojo, I. E. Ekpo, A. D. Abubakar, Nigeria

Parallel Session 3

Better Estimation of Flood Wave Propagation Time in Meandering Reaches
J. Persson, M. Jewe, N. Isaksson, Norway

Seismic Evaluation of Existing Earth-Cored Rockfill Dams on FE and Newmark Type Analyses
P. Dong Soon, Korea

Plenary Session

I. E. Issa, A. Al-Ansari, S. Knutsson, Sweden.

Future Inflow Simulation Considering the Uncertainties of TFN model
J. Park, J. Heo, J. Lee, C. Shin, Korea

New Innovative Technique for Strengthening Old Buttress Dams and Multiple Arch Dams.
T. Konow, Norconsult, Norway