Theme 1 - GENERAL DESCRIPTION OF RECENT PROJECTS INVOLVING ROCKFILL DAMS

Reporters: Manoel S. Freitas Jr. Humberto Marengo

COMPORTAMENTO DA BARRAGEM DE REVENTAZÓN DURANTE SEU PRIMERIO ENCHIMENTO - Roy RUIZ, Dario CALDERÓN, Eduardo AVILÉS (ICE)

CONSTRUCCIÓN DE LA PRESA DE ENROCADO CON NÚCLEO DE TIERRA DE ITUANGO - Juan Carlos Gallego, Marcelo Velásquez Vélez (EPM); María Cecilia Sierra, Juan David Herrera (Integral)

CONTROL MEASURES AGAINST ROCKFILL DEFORMATION OF HOUZIYAN CFRD WITH DEEP OVERBURDEN AT NARROW RIVER VALLEY - Yongguo ZHU (HouZiYan Hydropower); Jun YAN (River Hydropower Devel)

DESIGN AND CONSTRUCTION OF COMPOSITE GEOMEMBRANE FACE ROCKFILL DAM OF NAMOU6 HYDROPOWER STATION - Tang Cunjun (Namou River); Zhang Guolai, Bai Cunzhong (Powerchina Resources)

FIELD ROCKFILL DEFORMATION MODULUS - Manoel S. Freitas Jr. (Mid-South Institute)

RESEARCH AND PRACTICE OF KEY TECHNOLOGIES FOR NUOZHADU HIGH EARTH-ROCKFILL DAM - Yongxiang Wang, Yongping Ai, Fudong Chi, Hongjie Chen (Huaneng Lancang)

RESEARCH ON KEY TECHNOLOGIES FOR SUPER-HIGH CONCRETE FACE ROCKFILL DAMS - Jianping Zhou (Powerchina Co); Zeyan Yang, Wang Fuqiang, Liu Chao (CREE Institute)

Theme 2 - CONSTRUCTION MATERIALS AND METHODS

Reporters: Carlos Augusto Ramirez Orejuela

APPLICATION OF DIGITAL DAM MONITORING SYSTEM IN THE CONSTRUCTION OF ROCKFILL DAM - SUN zhohui (SEIEC)

CHARACTERISTIC STUDY ON ROCKFILL INCLUDING SUPERHARD ROCK AND ITS APPLICATION - Zhong Guliang (Ya Long River Water); Cai Changguang, Zhao Jianqing, Zhu Jiaqi (Mid-South Institute)

DISCUSSION ON THE ROCKFILL FABRIC STABILITY AND FACE SLAB DAMAGE MECHANISM OF CONCRETE-FACED ROCKFILL DAMS - Yongping Ai (Huaneng Lancang)

DISCUSSION ON THE USE OF SOFT ROCK MATERIALS IN CFRD CONSTRUCTION - Ningbo Li, Jiannan Shao (GIWP); Yanjie Xu (Tsinghua Univ.)

RESEARCH AND APPLICATION ON THE RELATION OF COMPACTION DEGREE BETWEEN THE OVERALL AND FINE STUFF GRAVELLY SOIL - Dongming Zhang, Hongbi Li, Deyang Fang, Cunfu Liu (Lianghekou)

STATE-DEPENDENT DILATANCY THEORY FOR ROCKFILLS - Xiaomei Li, Zhengyin Cai, Yunfei Guan (NHRI)

STUDY OF IN-SITU DIRECT SHEAR TESTS ON ROCKFILL MATERIALS FOR EARTH-ROCKFILL DAMS - Hongjie Chen (Huaneng Lancang)

STUDY ON THE CONSTRUCTION TECHNOLOGY OF EARTH ROCK DAM IN THE HIGH MOUNTAIN AND VALLEY REGION - SUN zhohui (SEIEC)

STUDY ON THE SEISMIC SAFETY OF FOUNDATION GALLERY OF HIGH ROCKFILL DAM USING SUBMODELING - ANALYSIS METHOD - Xuexing Cao (Huaneng Lancang); YunLong He (Wuhan Univ); Kun Xiong (Changjiang Institute)
TECHNOLOGIES ON CONSTRUCTION OF EARTH CORE ROCKFILL DAMS - Xu Zeping (IWHR)

Theme 3 - IMPERMABILISATION ELEMENTS OF ROCKFILL DAMS – DESIGN, CONSTRUCTION, PERFORMANCE

Reporters: Jinsheng Jia

ADVANCES IN THE APPLICATION OF ELECTROLEVELS AS A MONITORING SYSTEM FOR CFRD - Pedricto Rocha Filho (PUC Rio)

ANALYSIS OF THE CFRD BEHAVIOR RELATED TO THE ROCKFILL DEFORMABILITY AND ITS LEAKAGE CONSEQUENCES AFTER RESERVOIR FILLING - João Francisco Alves Silveira (SBB Engenharia); Oscar Machado Bandeira (Norte Energia)

DESIGN OF SEEPAGE CONTROL SYSTEM OF YELE DAM AND ASSESSMENT OF ITS OPERATION STATE - Xiaodong Wang, Shunbin He, Xueming Yu, Xing Yang (PowerChina Chengdu)

EFFECT OF EXPONENTIAL DECAY IN HYDRAULIC CONDUCTIVITY WITH DEPTH ON SEEPAGE FLOW IN THE ROCKFILL DAM WITHOUT SEALING WALL - Zhiyun Chen (Songliao)

GEOMEMBRANES TO WATERPROOF JOINTS OF CONCRETE FACE ROCKFILL DAMS - Alberto Scuero, Gabriella Vaschetti, José Luis Carneiro Machado do Vale, Marcelo CONTIJO (Carpi Tech Brasil)

GEOTECHNICAL BEHAVIOR OF ITUANGO EARTH CORE ROCKFILL DAM - Juan D. Herrera, María C. Sierra (Integral); Marcelo Velázquez (EPM); Juan E. Múnera (Integral)

INCREMENTALLY RAISED INCLINED ASPHALT CORE TAILINGS DAM - Dave Luppnow, Heather McWilliam (SRK Consulting); Edward Chong (PanAust)

SEISMIC DAMAGE ANALYSIS AND REINFORCEMENT MEASURE RESEARCH FOR EARTH-ROCKFILL DAMS AFTER A STRONG EARTHQUAKE - Lin Zhang, YANG Baoquan, CHEN Yuan (Sichuan University)

STUDY ON A NEW FLEXIBLE WATERSTOP STRUCTURE OF CFRD JOINTS AND ITS APPLICATION - Yao Xu, Zhiheng Sun, Yang Wang (IWHR)

STUDY ON ANTI-SEEPAGE ARRANGEMENT OF THICK-OVERBURDEN FOUNDATION OF HIGH EARTH CORE ROCKFILL DAM - Dan Zhang, He Shunbin, Wu Xiaoyu (PowerChina Chengdu)

STUDY ON THE PRIMARY SOURCES OF SLOPE-DIRECTION STRESS OF FACE SLAB OF CFRD - Gang DENG, Xingxing ZHANG (IWHR); Dan ZHANG (PowerChina Chengdu); Kui CAO (IWHR)

THE CHAGLLA DAM - COMPRESSIVE JOINT DIMENSIONING AND DEFORMATION BEHAVIOUR - Alex Martins CALCINA (Intertechne); Leonardo BORGATTI (Odebrecht); Bayardo MATERÓN (Bayardo Matern Assoc.)