

## SECTION 6: NEW CONSTRUCTION TECHNOLOGIES

Authors	Title of oral report
Phuc Tran Van, Vu Le Hoang, Duc Nguyen Cong, and Tien Pham Ngoc	Determination of Collapse Load of Engineering Structures using Iterative Node-based Smoothed Finite Element Analysis Method
Aybek Arifjanov, Kudrat Rakhimov, Dilbar Abduraimova, Askar Babaev and Sarvar Melikuziyev	Hydrotransport of river sediments in hydroelelators
Quang Thanh Truong, Ngoc Linh Nguyen and Thi Quynh Nhu Nguyen	Mechanical behavior of Vinh Long soil mixed with cement
Viatcheslav Orekhov and German Alekseev	Assessment of the safety of Rogun HPP dam in case of seismic impacts
Tam Nguyen-Tat	Damage classification in concrete, mortar and cement-paste beams under bending by Acoustic Emission Technique (AET)
Dmitry Kozlov and Anghesom Ghebrehiwot	Integrated design and construction approach to hydrotechnical structures in Eritrea
Alexandra Bestuzheva and Ivan Chubатов	Numerical modeling of the controlled lifting of the structure
Farkhadjan Adilov, Shakhnoza Makhmudova, Rustam Abirov, Elyor Toshmatov and Ikbal Maxmudova	To assessment of stress-stain state in rock continua
Tiep Duc Pham, Nang Duc Bui, Tuan Tien Nguyen and Hieu Chi Phan	Predicting the reduction of embankment pressure on the surface of the soft ground reinforced by sand drain with



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	random forest regression
Takhirjon Sultanov, Khamidkhon Fayziev, Elyor Toshmatov and Ilkhomjon Zokirov	Stability of dam slopes of phosphogypsum sludge collectors
Ngoc Hieu Pham, Cao Hung Pham and Kim J R Rasmussen	Evaluation of Current Standards in Designing Cold-rolled Aluminium Channel Beams
Farrukh Shaazizov and Diyor Shukurov	Physical modeling of the filtration process through the dam base
Zaven Ter-Martirosyan and Dam Huu Hung	Interaction of a long barrette with three-layer base taking into account elastic and elastic- viscous properties of hereditary creep
Hau V. Nguyen	Study of Rupture Mechanism in Concrete Girder Strengthened by External Fiber Reinforced Polymer Using Crack Analysis
Genrikh Orekhov	Ejecting ability of circulating flows of liquid and gas

