

## SECTION 3: ENGINEERING INFRASTRUCTURE

Authors	Title of oral report
Tran Thi Viet Nga	Investigation of groundwater recharge mechanism for sustainable urban water system planning and management in Hanoi city
Kurbon Dzhuraev, Aydar Nasrulin, Fotima Shadibekova and Shokhboz Kurbonov	Geoinformation systems at the selection of engineering infrastructure of pumped storage hydropower for the tuyamuyun complex
Eduard Kan, Muradulla Mukhammadiev and Nazir Ikramov	Methods of regulating the work of units at irrigation pumping stations
Elena Gogina and Tran Ha Quan	The nitrifying rate of Sequencing Batch Reactor when apply bio-carrier the Biochip to municipal wastewater treatment
Nikolay Makisha and Alexei Pervov	Research of operation efficiency of side-stream membrane bioreactors
Danh Toan Nguyen and Walter Sharmak	Agent-based simulation for gas and dust emissions assessment during construction: A case study in Vietnam
Aybek Arifjanov, Nosir Xodjiyev , Sherali Jurayev, Kozim Kurbanov and Luqmon Samiev	Increasing heat efficiency by changing the section area of the heat transfer pipelines
Olga Yantsen, Vladislav Gerasimov and Alexey Storozhev	Upgrading of industrial wastewater technique by pressure flotation



<b>Authors</b>	<b>Title of oral report</b>
H Nakanishi, Y Yabuno, T Nishikawa, T Yasuil, A T Pham, V -A Nguyen	Pilot studies on the river water treatment using coagulationUF membrane filtration and direct UF membrane filtration
Vu Thi Hoai An, Nguyen Viet Anh and Vu Thi Minh Thanh	Scenarios for treatment of sewage sludge from municipal wastewater treatment plants in Hanoi towards energy efficiency and resource recovery
Alexander Solovyev, Dmitry Solovyev and Liubov Shilova	Mathematical modelling of operation modes of water intake structures' cooling reservoirs
H T Nghiem, V C Tran, P D Hoa, T S Kieu and N H Giang	Flow of waste and a method for prediction of demolition waste generation from buildings – A case study in Hanoi, Vietnam
Viet-Phuong Nguyen, Tuan-Hung Pham, Thi-Thuy-Ha Ung, Tung Hoang and Ngoc-Tu Tong	Proposal of a set of quantitative criteria for evaluating and classifying urban street flooding spots in Vietnam
Tran Thuy Anh, Tran Duc Ha and Vi Thi Mai Huong	Evaluating the efficiency of Cyperus alternifolius on constructed wetland for the domestic wastewater treatment in the peri-urban area of Northern Vietnam
Aleksandrs Zajacs, Anatolijs Borodiņecs and Igors Neviero	Optimal use of solar collectors in small-scale districts

