

PROGRAMME
OF THE CELEBRATION EVENTS OF
70th ANNIVERSARY OF FACULTY OF HYDRAULIC ENGINEERING AT UACEG

Thursday, November 7th 2019

“Maxima” Ceremonial Hall, UACEG

**13:00 – 13:30 ч. Opening Ceremony of the International Jubilee Conference: Science & Technic
“70 Years Faculty of Hydraulic Engineering”**

13:30 – 16:00 ч. Keynote lectures

Prof. Helmut Kroiss (TU – Vienna).

*Consequences of the UN Sustainable Development Goals for Water
Quality Management*

Prof. Gerald Zenz (TU – Graz).

Safe Dams to Serve for a Better World

Prof. Y. Cetin (Dicle University).

Irrigation Management - Problems, Experiences and Recommendations

**15:00 – 18:00 ч. Presentations of Sponsors
(Central Lobby, UACEG New Building)**

18:00 – 19:00 ч. Solemn Assembly

19:00 – 20:00 ч. Cocktail for Conference Participants and Official Guests

**13:00 – 18:00 Faculty of Hydraulic Engineering Alumni Meeting
(Central Lobby, UACEG New Building)**

Friday, November 8th 2019

INTERNATIONAL JUBILEE CONFERENCE: SCIENCE & TECHNIC “70 YEARS FACULTY OF HYDRAULIC ENGINEERING”

PROGRAMME

	Hall A 205	Hall A 508	Hall A 607
	Scientific Session „Water Supply, Sanitation, Water and Wastewater Treatment“	Scientific Session „Hydraulics, Hydrology and Water Resources Management“	Scientific Session „Hydraulic Engineering, Mechanics and Physics“
Time	Author - Report	Author- Report	Author - Report
9:20 - 10:30	<ol style="list-style-type: none"> 1. Prof. Helmut Kroiss - Enhanced Waste Water Treatment Requirements Beyond EU Urban WWD Sensitive Area Requirements 2. G. Dimova, S. Dimitrova, I. Kostova, E. Tsanov, D. Valchev - Application of Circular Economy Along the Water Pathway in the Water Supply and Wastewater Systems 3. G. Ivanov, E. Bogdanova, T. Venelinov - Measurement and Monitoring of Water Pollutants Through Biosensors - Overview 	<ol style="list-style-type: none"> 1. I. Niagolov - Results of Recent Actualization of BG Significant Reservoirs Inflow 2. A. Ilić, S. Prohaska - Design Flood Hydrograph For Flood Protection System 3. B. Blagojević, V. Mihailović, A. Mulaomerović-Šeta - The Peak Flow Based On Mean Daily Data And Instantaneous Flow In The Flood Frequency Assessment Case Study 	<ol style="list-style-type: none"> 1. D. Stipić, M. Vasić, M. Djogo, G. Jeftenić, S. Kolaković - Analysis of Filtration Stability of Ground and Slopes of the Filled Dam “Vranjaš 2. S. Tasev - Damping in Rockfill Dams Part I: Total Damping 3. S. Tasev - Damping in Rockfill Dams Part II: Radiation Damping
10:30 – 11:00	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
11:00 - 12:40	<ol style="list-style-type: none"> 1. R. Arsov - Criteria for Sewer Sludge Dewatering Machines Selection 2. D. Valchev - Algae-based Wastewater Treatment Technologies: World Accomplishments and Challenges 3. K. Kuzmanova - “DELPHIN PROJEKT” Experience IN Treatment of Radioactively Contaminated Mine Waters 4. G. Yotova, S. Lazarova, V. Mihaylova, T. Venelinov, St. Tsakovski - Influence of the Wastewater Treatment Plants on River Maritsa 5. S. Stanev - Energy Independent Wastewater Treatment Plants - The Sofia Experience 	<ol style="list-style-type: none"> 1. R. S. Kolaković, S. S. Kolaković, S. Trajković - Application of New Strategies in Floods Management for Big Lowland Rivers in Serbia 2. S. Kirlova - A Combined Method for Estimating Maximum Streamflow in Ungauged Catchments 3. I. Ivanov, E. Bournaski - Analysis of the Anthropogenic Impact on the Dospat River Water Discharge 4. D. Wildt, M. Tritthart - CFD Modelling Of Turbidity Currents 5. S. Darachev, B. Tzankov - Model of a Sewer Overflow with Self-Cleaning effect 	<ol style="list-style-type: none"> 1. I. Galabova - Dams From Ancient Times to Today - Design, Purpose, Observation, Reconstruction 2. L. Atev, J. Marinski - Problems with the Technical State of Hydraulic Structures and Water Management of Water Bodies After 1989 3. B. Nikolov, D. Kisliakov - Vulnerability of the Operation of Small Dam – State of the Art 4. D. Radivojević, A. Ilić - Protection of The Bridge and River Bed Training on The River Tripušnica in Bosilegrad Municipality in Serbia 5. G. Hadla - Submerged and Pneumatic Breakwaters as An Integrated Shore Protection Facility
12:40 – 14:00	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
14:00 - 15:40	<ol style="list-style-type: none"> 1. I. Davidov, I. Kostova, M. Koleva - Computer Simulation of Processes in the Biological Stage of the Wastewater Treatment Plant “Kubratovo” 2. T. Igneva-Danova - Hydraulic Capacity Assessment of Urban Drainage Networks in Terms of Changed Runoff Coefficient 3. S. Darachev, B. Tzankov - The Design rainfalls for Sewerage Systems in the Republic of Bulgaria. Origin, Dependences and Applicability. 4. D. Milićević, M. Milanović, M. Gocić, S. Trajković - Sensitive Planning and Design of Stormwater Management in Urban Watersheds 5. N. Naydenov, I. Ivanova - Free and Open Source (FOSS) GIS APPLICATION Application in Water Supply, Water and Wastewater Treatment (WSWWT) Companies - from Training to Realization 	<p style="text-align: center;">Scientific Session „Irrigation and Drainage Engineering“</p> <ol style="list-style-type: none"> 1. N. Gadjalska, S. Chehlarova-Simeonova, S. Bozhkov - Hydro Melioration Science and Practice - Development and Management 2. R. Petrova , N. Banishka - Management Scope of Projects for Rehabilitation and Modernization of Irrigation Infrastructure 3. M. Ivanova , Z. Popova - Irrigation Scheduling of Maize Grown on a Vertisol Soil Under Changing Climate in Sofia Field 4. Z. Popova - Water-Saving and Environment-Friendly Technologies and Irrigation Scheduling Under Furrow Irrigation 5. A. Daskalova, V. Kurdov, M. Kercheva - Variability of Soil Water Retention of Alluvial Soil Under Sprinkler Irrigation 	<ol style="list-style-type: none"> 1. I. Stefcheva - Phenomena and Processes Requiring Rehabilitation of Hyrotechnical Tunnels 2. I. Stefcheva – Scope of Rehabilitation of Hyrotechnical Tunnels 3. I. Dimitrova , D. Kisliakov - Hydropower Applications with Very Low Heads – Experimental Work on a Full-scale Prototype 4. S. Djambova, N. Ivanova – Analysis of the Effect of the Differences in the Measurement Conditions on the Sound Insulation of Slim Construction Elements for Real Conditions and Through a Small-Scale Soundproof Chamber 5. N. Lissev, V. Kukurin, P. Todorov, S. Tachev - Methods for Study of the Propagation of Catastrophic Flood Wave Caused By Dam Breach
15:40 – 16:00	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
16:00 - 17:40	<ol style="list-style-type: none"> 1. J. Neikova - Fire Fitting Installations in Railway Tunnel on Railway Vidin – Medkovec 2. V. Vasileva , R. Ganev - Repercussions of the Wrong Height in Fire Hydrants in Urban Conditions 3. S. Ivanova , D. Alitchkov - Approaches for Determination of Peak Water Demand in Building Plumbing Systems 4. V. Radovanov, E. Tsanov, D. Alitchkov – Investigation of Water Demand in Kindergardens 5. B. Borisov - Optimal design of Branched Water Distribution Networks through Optimization Methods Embedded into Software 	<ol style="list-style-type: none"> 1. N. Gadjalska , V. Kancheva - Assessment of the Risk of Pollution due to Irrigation of Agricultural Crops 2. V. Kancheva - Assessment of Copper (Cu) Distribution in Toplnitsa River Using Software Product 3. E. Tsanov, M. Kostova, P. Filkov - Use of Rainwater for Landscape Irrigation 4. S. Petkova, Y. Tanaka, M. Ariyoshi, Yuji Kohgo- Laboratory Experiments on Failure Mechanism in Air Valves on Irrigation Buried Pipeline due to Earthquake 5. P. Filkov –SWARM Project: Strengthening of Water Resources Management Education in Western Balkans 	<ol style="list-style-type: none"> 1. N. Lissev, V. Kukurin, P. Todorov, S. Tachev - Classification and Evaluation of Floodplains 2. N. Lissev, V. Kukurin, P. Todorov, S. Tachev - Ecological and Environmental Friendly Methods and Techniques for River Bed Cleaning 3. N. Lissev, V. Kukurin, P. Todorov, S. Tachev - Improvement of the Spatial Planning and Constructive Measures for Flood Risk Reduction 4. N. Lissev, V. Kukurin, P. Todorov, S. Tachev - Real-time Water Management Systems