

# Session #2 Details

## Digital Technologies and AM Advanced Solutions

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**Date:** Thursday, 18<sup>th</sup> November 2021

**Time:** 14:00 – 15:30

**Location:** Studenica, Ravanica, Gračanica conference halls

**Moderator:** Nemanja Branisavljević – Faculty of Civil Engineering Belgrade, Serbia

**Simultaneous translation:** Yes (Serbian and Albanian)

### Context and objective

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Contemporary AM strategies imply utilisation of modern software solutions - from flexible general concepts to highly customised environments that require special attention during implementation. In this session, few different approaches to software development and implementation will be presented with the main aim to provide the information about its effects on AM. The presentations will be followed by the discussion to further clarify all the potentials and risks of the implementation of the different AM software solutions in the utilities' business environment.

### Session structure

Time	Content	Speaker	
14:00	5'	<b>Introduction</b>	Moderator
14:05	20'	<b>AM Information Systems for Utilities within the ISO 55001 framework</b> (online)	Dr. Petros Kolovopoulos, Hydro-Comp, Cyprus
14:25	20'	<b>Digital Integration as AM Environment</b> (live)	Mladen Simić, ESRI GDi, Serbia
14:45	20'	<b>Digital with a purpose: leveraging utility data for key results</b> (online)	Sergio T Coelho, Baseform, Portugal
15:04	24'	<b>Round Table 2</b>	Dr. Petros Kolovopoulos, Mladen Simić, Sergio T Coelho
15:30	1'	<b>End of session</b>	Moderator

## Moderator's and Speakers' bios

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### **Nemanja Branislavljević**

Nemanja Branislavljević is an Assistant professor at the University of Belgrade, Faculty of Civil Engineering with 18 years of experience in various water related fields, like measurements of hydraulic and water quality parameters in water distribution and sewer system hydraulic modelling and utility asset management. His interests are also focused on implementation of modern software solutions in water related fields, that include application of data science procedures, GIS data processing, big data and cloud computing systems. He is presently teaching Utility Asset Management at the University of Belgrade and Utility systems in the University of Banja Luka. He is an author or co-author of more than 60 scientific papers and large number of water-related studies and designs.



### **Dr. Petros Kolovopoulos**

Dr. Petros Kolovopoulos obtained his doctorate in hydraulic engineering at the University of the Witwatersrand in South Africa in 1985. In 1989 he joined as Director Hydro-Comp Enterprises, a company specializing in the consulting services and information technology for effective utility management. The company, at present has its headquarters in Cyprus, has offices in many countries and carries out rehabilitation and institutional strengthening projects in more than 30 countries throughout the world. Dr. Petros Kolovopoulos is also the Product Manager of the EDAMS line of products, the I.T. solutions of the company. Dr. Petros Kolovopoulos is the author of more than 70 publications in the field of Water Supply and Utility Management and is regarded as an authority in the field of Utility Asset Management.



### **Mladen Simić**

Mr. Mladen Simić has 15 years of professional experience in geographic information systems (GIS) and comprehensive knowledge of developing, implementing and managing geographic information systems for small and enterprise companies in public and private sector. After earning his diploma in Geodesy at the University of Belgrade, he worked as technical assistant responsible for management of GIS in Project Implementation Unit of Belgrade Land Development Public Agency. In 2008, he joined GDi where he went through all roles of GIS professional – technician, specialist and consultant. During his professional development in GDi he accumulated a wide range of experience related to enterprise database engineering, design, development and implementation of GIS, product management and project management. There he also gained deep understanding of Esri - world leading GIS technology platform. He is Esri certified Enterprise Geodatabase Management Professional and Enterprise System Design Associate. He is also Esri Certified Teacher, Certified CTT+ Classroom Trainer and Scrum Master. Currently, in his role of Technical Director in GDi Solutions he is responsible for development and implementation of new software products and solutions based on geographic information systems.



## **Sergio T Coelho**

Sergio T Coelho has a degree in Civil Eng Hydraulics and a PhD in Civil Engineering Systems, and 25 years' experience in leading applied R&D, developing methods and models for utility and infrastructure AM planning, water & energy loss, and infiltration & inflow management. Sergio co-founded and leads Baseform, whose forward-thinking SaaS software is used by utilities in Europe and the USA serving more than 25 million people.

