



28th INTERNATIONAL CONFERENCE
ON EMERGING TECHNOLOGIES
AND FACTORY AUTOMATION

2023

SINAIA, ROMANIA

SEPTEMBER, 12th-15th, 2023

Call for Papers

Digitalization of the Water Industry

Organized and Co-Chaired by (sorted by last name)

Marian Barbu¹, Harsha Ratnaweera², George Ifrim¹

¹ "Dunarea de Jos" University of Galati, Romania

² Norwegian University of Life Sciences, Norway

❖ **FOCUS.** The severe impact of human activities on the water resources requires the need to increase the efficiency of water systems. With the rapid development of ICT tools in general, many new opportunities are becoming available also for the water industry.

❖ TOPICS

The topics cover a wide range of problems (but not limited to) related to digitalization of the Water Systems (WS):

- ❖ Theoretical and practical advances in modeling, simulation, and control of WS
- ❖ Surveillance and control techniques for WS
- ❖ Hierarchical control of WS
- ❖ Artificial intelligence applications for WS
- ❖ Impact of digitalization in WS
- ❖ Water quality monitoring and management
- ❖ Life cycle assessment for WS
- ❖ Smart technology and IoT's impact on integrated WS
- ❖ Data-driven approaches for control and operation of WS
- ❖ WS operation for GHG emission minimization
- ❖ Holistic approaches for WS control and operation
- ❖ Climate change impact from WS

❖ **AIM.** The aim of this workshop is to bring together researchers, scientists, and engineers from academia and from industry, to share knowledge, experience, and ideas in the field of monitoring and control of water systems. Theoretical and practical studies will be equally displayed.

❖ **WORKSHOP FORMAT.** Half-day workshop based on solicited research papers.

❖ AUTHOR'S SCHEDULE (2023)

❖ Regular and special sessions papers

Submission deadline June 16
Acceptance notification July 7
Deadline for final manuscripts July 21

Workshop: September 12, 2023

Workshop Program Committee

- ❖ Marian Barbu, "Dunarea de Jos" University of Galati, Romania
- ❖ Sergiu Caraman, "Dunarea de Jos" University of Galati, Romania
- ❖ Larisa Diaconu, "Dunarea de Jos" University of Galati, Romania
- ❖ George Ifrim, "Dunarea de Jos" University of Galati, Romania
- ❖ Ciprian Lupu, Politehnica University of Bucharest, Romania
- ❖ Zakhar Maletskyi, Norwegian University of Life Sciences, Norway
- ❖ Montse Meneses, Universitat Autònoma de Barcelona, Spain
- ❖ Abilash Nair, Norwegian University of Life Sciences, Norway
- ❖ Harsha Ratnaweera, Norwegian University of Life Sciences, Norway
- ❖ Dan Selisteanu, University of Craiova, Romania,
- ❖ Dorin Sendrescu, University of Craiova, Romania
- ❖ Pastora Vega, Universidad de Salamanca, Spain
- ❖ Ramon Vilanova, Universitat Autònoma de Barcelona, Spain