

AquaSPICE Summer School

Achieving Water-Smart Management in the Process Industry – An Educational Perspective

Technical University of Crete, Chania 2 – 5 July 2024

The Technical University of Crete organizes the AquaSPICE Summer School from July 2-5, 2024. The school features expert lectures and showcases innovative educational materials developed by AquaSPICE project. Lectures will be given by experts from top institutions including the Technical University of Crete, RWTH Aachen University, Università Politecnica delle Marche, KWR Water Research Institute, Athens University of Economics and Business, the University of Huddersfield, and Audencia Business School.

On the first day (2nd of July) the Technical University of Crete will host an event, co-organised with [Water Europe](#), which intent is to become a keystone for discussions on sustainable water management: the AquaSPICE info-day event.

Registrations are now officially open. Secure your spot now and be part of this transformative experience! (Info & Registrations: <https://lnkd.in/e5EFhJ6r>)

The lectures will be hosted at the seminar room of the School of Production Engineering and Management. Remote participation is also available (<https://tuc-gr.zoom.us/j/98061028583?pwd=AJk0OXpQvk8Tn3SruLSH7lebVFRSKd.1>)

	Tuesday 2/7	Wednesday 3/7	Thursday 4/7	Friday 5/7
Morning Session 10.00–13.00	<p>Welcome and Introduction George ARAMPATZIS, Eleftherios DOITSIDIS (<i>Technical University of Crete</i>)</p> <p>AquaSPICE Info-Day Event Materializing circular water use, fostering awareness in resource efficiency, and delivering innovative solutions for a Water-Smart Society Organized by Water Europe and moderated by Andrea RUBINI and George ARAMPATZIS.</p>	<ul style="list-style-type: none"> – Water-Oriented Living Labs for a Water-Smart Society: an holistic approach (60'), Andrea RUBINI (Water Europe) – Water in the Circular Economy (60') Johann POINAPEN (KWR) – Transformative Leadership (60') Anita D'Agnolo Vallan (Innosuccess) 	<ul style="list-style-type: none"> – Design and Assessment of Water Reuse Systems (120') Athanasios ANGELIS-DIMAKIS (University of Huddersfield) – Water reuse status in Greece and worldwide (60') Petros GIKAS (Technical University of Crete) 	<ul style="list-style-type: none"> – Design and Development of innovative digital services for Water-Related Industrial Settings (150') Stavros LOUNIS (Athens University of Economics & Business)

13.00–14.00	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
Afternoon Session 14.00–16.30	<ul style="list-style-type: none"> – An Introduction to Industrial Wastewater Treatment Technologies: Policies, Best Available Techniques and Membrane Processes in a Nutshell (150’) <i>Sarah MÜLLER (RWTH Aachen University)</i> 	<ul style="list-style-type: none"> – Biological and chemical-physical processes for industrial wastewater treatment and reuse: from theory to pilot and full scale practice (150’) <i>Francesco FATONE (Università Politecnica delle Marche)</i> 	<ul style="list-style-type: none"> – Digitalization and cyber-physical systems for water-smart process industries (60’) <i>George ARAMPATZIS (Technical University of Crete)</i> – Robotics in Industry 4.0 (60’) <i>Eleftherios DOITSIDIS (Technical University of Crete)</i> 	<ul style="list-style-type: none"> – Investment appraisal Principles (120’) <i>Smaro BOURA (Audiencia Business School)</i>

AquaSPICE INFO-DAY EVENT

Materializing circular water use, fostering awareness in resource efficiency, and delivering innovative solutions for a Water-Smart Society.

Technical University of Crete, Chania July 2nd 2024

On the 2nd of July 2024, the Technical University of Crete will host an event co-organised with Water Europe which intent is to become a keystone for discussions on sustainable water management: the AquaSPICE info-day event. This gathering will bring together a diverse group EU funded projects represented by researchers, industry experts, policymakers, and innovators, all united by a common goal: to explore and advance the future of circular water use and foster a Water-Smart Society.

The event will spotlight several key projects, including AquaSPICE, iWays, IntelWatt, AccelWater, ULTIMATE, and CARDIMED. The focus will be a series of presentations of the projects, each highlighting their unique achievements, encountered barriers, and future perspectives through compelling case studies, pilots, and demo-sites.

All speakers will reconvene for a panel discussion moderated to explore synergies, common obstacles, and future developments. The audience will also have the chance to engage with the speakers through Q&A sessions.

The event will be hosted at the seminar room of the School of Production Engineering and Management. Remote participation is also available (<https://tuc-gr.zoom.us/j/98061028583?pwd=Ajk0OXPqvk8Tn3SruLSH7lebVFRSKd.1>)

10.00 – 10.20 **Welcome**

Introduction to the workshop and to the AquaSPICE Project

George ARAMPATZIS and Eleftherios DOITSIDIS ([Technical University of Crete](#))

10.20 – 10.30 **Introduction**

Introduction to the AquaSPICE Info-Day event

Andrea RUBINI ([Water Europe](#))

10.30 – 11.30 **Presentation of the Projects**

Achievements, barriers, and perspectives (essentially focused on case studies, pilots, or demo-sites)

1. **AquaSPICE** – Efthalia KARKOU ([Technical University of Crete](#))
2. **iWays** – Luca MONTORSI ([University of Modena and Reggio Emilia](#))

3. **CARDIMED** – Simos MALAMIS ([National Technical University of Athens](#))
4. **ULTIMATE** – Alexandros KRITIKOS ([National Technical University of Athens](#))
5. **AccelWater** – Dimitra FRAGOULI ([National Technical University of Athens](#))
6. **intelWATT** – Andreas SAPALIDIS ([National Center for Scientific Research Demokritos](#))

11.30 – 12.00 **Coffee Break**

12.00 – 12.50 **Panel discussion**

Panel Discussion on synergies, common barriers and future developments and Q&A from the audience (moderated)

All speakers

12.50 – 13.00 **Conclusions**

Conclusion, takeaways and future steps, Georgios ARAMPATZIS, TUC and Andrea RUBINI, WE

Andrea RUBINI ([Water Europe](#)) and George ARAMPATZIS ([Technical University of Crete](#))

13.00 – 14.00 **Launch**

UP NOW! SIGN UP NOW! SIGN UP NOW!

AquaSPICE Summer School

Open to young engineers and
university students!



2-5 July 2024 

University of Crete, Greece 