



**AloTwin**  
Twinning action for spreading excellence in Artificial Intelligence of Things

**1st Summer School**

September 4-7, 2023

Šibenik, Croatia



Venue: Educational Campus St. John's Fortress

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Web: <https://www.tvrdjava-kulture.hr/media/31876/educational-campus-st-john-fortress-web.pdf>

## Detailed Programme

### September 4

18:30 – 19:00	Registration
19:00 – 21:00	Welcome reception (Educational Campus, Dining Room)

### September 5

08:00 – 09:00	Breakfast (Dining Room)
09:00 – 10:00	<b>Opening: Prof. Ivana Podnar Žarko</b> Keynote talk 1 <b>Prof. Petar Šolić</b> (University of Split): IoT Implementation and Alternative Sensing
10:00 – 11:00	Tutorial 1 <b>Prof. Mario Kušek</b> (University of Zagreb - Faculty of Electrical Engineering and Computing): The landscape of IoT protocols - practitioner's view
11:00 – 11:30	Coffee break
11:30 – 12:30	Tutorial 2 <b>Ivan Čilić, Petar Krivić</b> (University of Zagreb - Faculty of Electrical Engineering and Computing): Network emulator IMUNES and edge performance evaluation
12:30 – 14:00	Lunch break (Dining Room)
14:00 – 15:30	Tutorial 3

	<b>Prof. Martin Gaedke</b> (Chemnitz University of Technology): The 5 Steps of the PhD Journey - A coaching session for greater clarity, effectiveness, and fulfilment
15:30 – 16:00	Coffee break
16:00 – 17:30	Tutorial 4 <b>Dr. Pantelis Frangoudis</b> (Technische Universität Wien): Orchestration Aspects in Distributed Computing Continuum Systems
19:00 – 21:00	Dinner (Dining Room)

### September 6

08:00 – 09:00	Breakfast (Dining Room)
09:00 – 09:45	Keynote talk 2 <b>Dr. Danh Le-Phuoc</b> (Technische Universität Berlin): Knowledge Graphs for Building Perception Systems
09:45 – 10:30	Hands-on Workshop 1 <b>Jicheng Yuan</b> and <b>Duc Manh Nguyen</b> (Technische Universität Berlin): Federated Learning for IoT Edge devices
10:30 – 11:00	Coffee break
11:00 – 11:45	Hands-on Workshop 1 (continued) <b>Jicheng Yuan</b> and <b>Duc Manh Nguyen</b> (Technische Universität Berlin): Federated Learning for IoT Edge devices
11:45 – 12:15	Hands-on Workshop 2 <b>Thomas Pusztai</b> (Technische Universität Wien, TUW): TUW SLO management framework
12:15 – 13:45	Lunch break (Dining Room)
13:45 – 14:45	Hands-on Workshop 2 (continued) <b>Thomas Pusztai</b> (Technische Universität Wien, TUW): TUW SLO management framework
14:45 – 15:15	PhD topic presentation <b>Edvin Listo Zec</b> (Research Institutes of Sweden RISE): Current challenges within federated and decentralized learning
15:30 – 18:00	<b>PhD Forum</b> PhD presentations and pitch talks Poster session

### September 7

08:00 – 09:00	Breakfast (Dining Room)
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09:00 – 09:45	Keynote talk 3 <b>Prof. Thiemo Voigt (Research Institutes of Sweden RISE):</b> Towards In-body and Battery-free Internet of Things
09:45 – 10:30	Keynote talk 4 <b>Prof. Alexander Artikis</b> (University of Piraeus): Can computers understand what is happening? A Tutorial on Complex Event Recognition
10:30 – 10:45	Coffee break
10:45 – 12:00	Tutorial 5 <b>Dr. Lodovico Giaretta</b> (Research Institutes of Sweden RISE): Tutorial on Decentralized Graph Mining (Gossip Protocols + Graph Representation Learning)
12:00 – 13:00	Lunch break (Dining Room)
13:00 – 14:15	Tutorial 6 <b>Prof. Ivana Podnar Žarko</b> and <b>Prof. Maja Matijašević</b> (University of Zagreb - Faculty of Electrical Engineering and Computing): Proposal writing and evaluation of collaborative Horizon Europe projects
15:00 – 17:00	<b>Excursion</b> Boat trip and visit to the St. Nicholas' Fortress <a href="https://www.kanal-svetog-ante.com/en/visiting-st-nicholas-fortress">https://www.kanal-svetog-ante.com/en/visiting-st-nicholas-fortress</a>
19:00 – 21:00	<b>Farewell Dinner and Closing</b> Restaurant of Hotel Jadran, Šibenik <a href="https://restaurant-jadran-sibenik.business.site/">https://restaurant-jadran-sibenik.business.site/</a>

### September 8

08:00 – 09:00	Breakfast (Dining Room)
09:00 – 15:00	AloTwin Project Meeting (only for project partners) Working lunch