



SPLIT SUMMER SCHOOL STSS2021

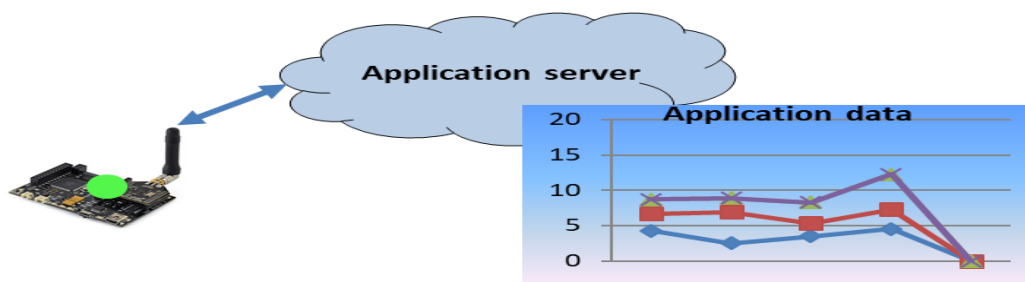
**COURSE: APPLICATION DEVELOPMENT FOR THE INTERNET OF THINGS**

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Web page: <https://www.oss.unist.hr/summer-school>

**Main topics:**

- Introduction to the embedded systems and the Internet of Things
- Sensors, actuators, power consumption, processor and memory management
- Communication: physical layer, data layer (MAC and LLC), network layer and routing
- Application protocols and cloud technologies



**Programme structure:**

- 5 day course
- Practical work
- Every student gets lecture notes in pdf format

**Important dates:**

Course dates: 06/09/2021 – 10/09/2021  
Deadline for application: 15/07/2021  
Payment due by: 01/08/2021  
Confirmation of the course: 10/08/2021

**Price of the course:** 300 € (tax included)

**Programme plan:**

- Day 1
- Introduction to the embedded systems and the Internet of Things. Sensors and actuators. Power consumption, processor and memory management. (3h)
  - Exercises (2h)
- Day 2
- Communication: physical layer, data layer (MAC and LLC). Network layer and routing. (2h)
  - Exercises (3h)
- Day 3
- Application protocols and cloud technologies (2h)

**Programme lecturers:**

Tonko Kovačević, PhD  
Senior lecturer at the University of Split, University Department of Professional Studies, Assistant to the Head of the Department, Split, Croatia.  
Croatian Scientific Bibliography

Silvano Jenčić, MSEE  
Senior lecturer at the University of Split, University Department of Professional Studies, Department of Electrical Engineering, Split, Croatia.  
Croatian Scientific Bibliography

Marko Vukšić, PhD

- Exercises (2h) and seminar (1h)

Day 4

- Project - Application development according to the defined task (5h)

Day 5

- Project - Application development and solution testing (3h)
- Project presentation and evaluation of results (2h)

College professor at the University of Split,  
University Department of Professional Studies,  
Head of Department of Electrical Engineering,  
Split, Croatia.

Croatian Scientific Bibliography

Mario Čagalj, PhD

Full Professor at the University of Split, Faculty of  
Electrical Engineering, Mechanical Engineering and  
Naval Architecture, Department Of Electronics and  
Computing, Split, Croatia.

Croatian Scientific Bibliography

Toni Perković, PhD

Assistant professor at the University of Split,  
University Department for Forensic Sciences, Split,  
Croatia.

Croatian Scientific Bibliography