



SPLIT SUMMER SCHOOL STSS2018

COURSE: APPLICATION DEVELOPMENT FOR THE INTERNET OF THINGS

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<http://www.unist.hr/international-split-summer-school-2018/courses>

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: 03/09/2018 – 07/09/2018
Deadline for application: 01/07/2018
Payment due by: 10/07/2018
Confirmation of the course: 20/07/2018

Price of the course: 300 € (tax included)

Bed & breakfast: 6 nights - 1.422,00 HRK (approximately 190 EUR) (tax included) – contact person: Marina Kero, email: marina.kero@scst.hr

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

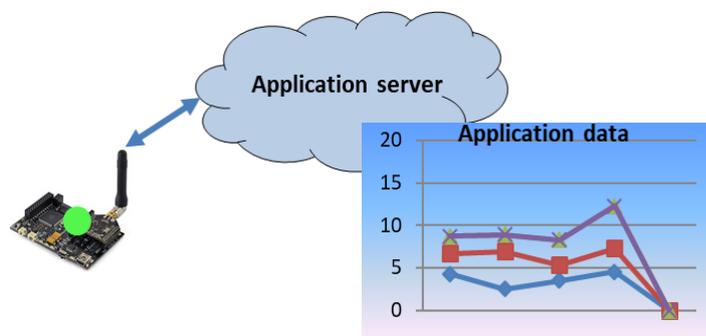
- Application protocols and cloud technologies (2h)
- Exercises (2h) and seminar (1h)

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)



Programme lecturer:

Tonko Kovačević, PhD
Senior Lecturer at the University of Split, University Department of Professional Studies, Assistant to the Head of the Department, Split, Croatia

Silvano Jenčić, MSEE
Senior Lecturer at the University of Split, University Department of Professional Studies, Department of Electrical Engineering, Split, Croatia

Marko Vukšić, PhD
College Professor at the University of Split, University Department of Professional Studies, Head of Department of Electrical Engineering, Split, Croatia

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

Toni Perković, PhD
Assistant Professor at the University of Split, University Department for Forensic Sciences, Split, Croatia