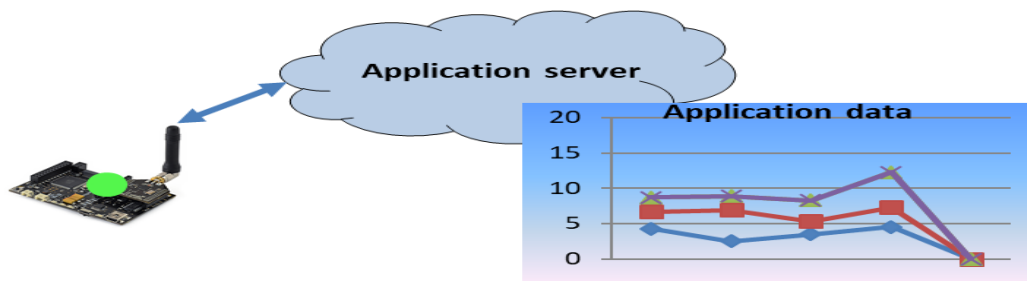## SPLIT SUMMER SCHOOL STSS2020

COURSE: APPLICATION DEVELOPMENT FOR THE INTERNET OF THINGS

Contact person: Tonko Kovačević, PhD
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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: 31/08/2020 – 04/09/2020
Deadline for application: 01/07/2020
Payment due by: 13/07/2020
Confirmation of the course: 20/07/2020

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

Day 4

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
College professor at the University of Split, University Department of Professional Studies,

- 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)

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