



SPLIT SUMMER SCHOOL STSS2018

**COURSE: IMPLEMENTATION OF PROGRAMMABLE LOGIC CONTROLLERS IN THE PROCESS CONTROL**

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

Main topics:

- introduction to project management and technical drawing tools
- industrial control systems
- programmable Logic Controllers (PLC)
- making project documentation using ePLAN software tool
- writing PLC program using Ladder language

Programme structure:

- 5-day course
- after successfully completing the final exam students will receive the Certificate of Achievement in PLC system design

**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](mailto:marina.kero@scst.hr)

Programme plan:

Day 1

- Introduction to project management and technical drawing tools (2h)
- Programmable Logic Controllers-hardware and software (2h)
- Introduction to sensors and actuators (1h)

Day 2

- Project documentation using ePLAN software tool (3h)
- Calculation on physical parameters of the system (2h)

Day 3

- Learning on the laboratory setups (1h)
- Exam (1h)
- Basics of the PLC software programming tool (3h)

Day 4

- Writing PLC program using Ladder language (5h)
- Visit on site CEMEX factory (3h)

Day 5

- Project commissioning (4h)
- Presentation and evaluation (1h)

Programme lecturer:

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

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

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

Predrag Đukić, PhD  
College Professor at the University of Split, University Department of Professional Studies, Department of Mechanical Engineering, Split, Croatia

Dean Dereani, MSEE  
Electrical and Control Instrumentation Department Head at Cemex Croatia