COURSE: Application of Ground-Penetrating Radar (GPR) in Civil Engineering

Contact person: Dragan Poljak
phone: +385 91 4 305 698
mail: dragan.poljak@fesb.hr

Main topics:
- Introduction to fundamentals of GPR operation
- Problem analysis and selection of an appropriate antenna
- Independent survey of the structural element using GPR
- Detection of the location of underground installations
- Locating damage on the carriageway and the pavement structure
- Analysis and interpretation of GPR surveys

Programme structure:
- 5-day course
- Data will be provided for practice and for final presentation
- Every student gets lecture notes

Important dates:
Course dates: 31/08/2020 – 04/09/2020
Deadline for application: 01/07/2020
Payment due by: 30/07/2020
Confirmation of the course: 15/07/2020

Price of the course: 270 € (tax included)

Programme plan:
Day 1
- Introduction into GPR technology (2h)
- GPR applications (2h)
Day 2
- Presentation of GPR systems and various antenna types (2h)
- Fundamentals of GPR operation (2h)
Day 3
- Practical activities (2GHz antenna) (2h)
- Introduction into other non-destructive methods (NDT) (2h)

Programme lecturers:
Prof. Dragan Poljak
Full professor at the University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture
Assist. prof. Damir Varevac
Faculty of Civil Engineering in Osijek
Day 4
- Practical activities (200/600 MHz) (2h)
- Analysis of GPR data (2h)

Day 5
- Students’ final projects (3h)
- Final presentations (1h)