



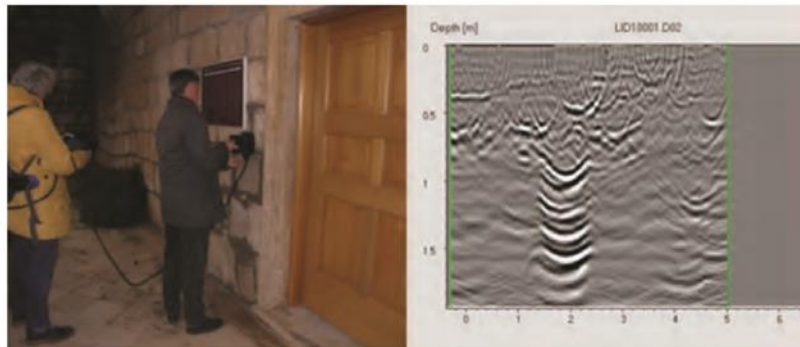
SPLIT SUMMER SCHOOL STSS2023

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: 04/09/2023 – 08/09/2023
Deadline for application: 25/07/2023
Confirmation of the course: 04/08/2023
Payment due by: 25/08/2023

Price of the course: 300 € (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
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)