



50 years of
University
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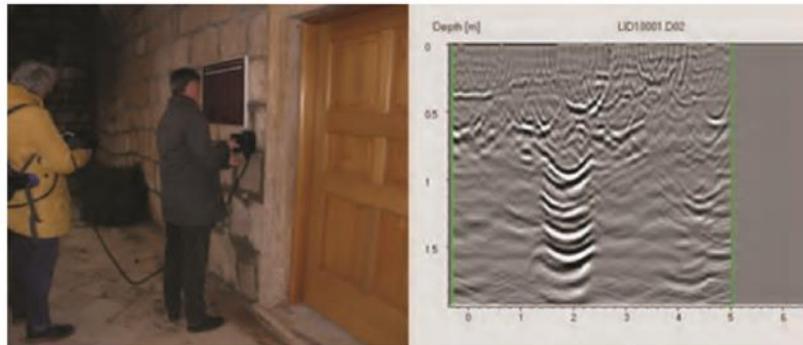
INTERNATIONAL SPLIT SUMMER SCHOOL 2025

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

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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: 01/09/2025 – 05/09/2025

Deadline for application: 07/07/2025

Confirmation of the course: 13/07/2025

Payment due by: 17/08/2025

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)

Day 4

- Practical activities (200/600 MHz) (2h)
- Analysis of GPR data (2h)

Day 5

- Students' final projects (3h)
- Final presentations (1h)

Programme lecturers:

Prof. Dragan Poljak

Full professor at the University of Split,
Faculty of Electrical Engineering,
Mechanical Engineering and Naval
Architecture

Prof. Damir Varevac

Full Professor at the Faculty of Civil
Engineering and Architecture Osijek