



50 years of  
University  
of Split

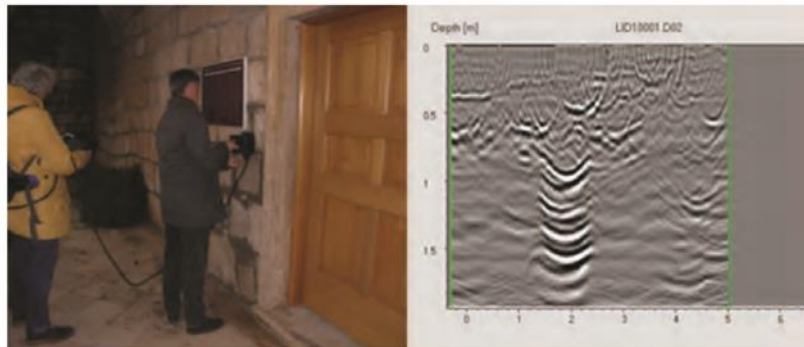
## INTERNATIONAL SPLIT SUMMER SCHOOL 2025

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

**Contact person:** Dragan Poljak  
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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: 31/09/2026 – 04/09/2026

Deadline for application: 06/07/2026

Confirmation of the course: 13/07/2026

Payment due by: 19/08/2026

### 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