

INNOVATIVE DIGITAL STRATEGIES

for structural and infrastructural vulnerability detection

online course

Tuesday, September 15, 2026

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| 10:00 | The assessment of structural and infrastructural vulnerability to natural hazards
<i>Elena Benvenuti</i>
Department of Engineering - University of Ferrara |
| 10:15 | Geophysical measurements for seismic and hydraulic vulnerability assessment
<i>Gaia Travan</i>
National Institute of Oceanography and Applied Geophysics - OGS |
| 10:35 | High-resolution thermal images for training AI systems for structural assessments
<i>Petra Bagavac</i>
Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture - University of Split |
| 10:55 | Advanced structural risk assessment – Determination and use of seismic fragility curves
<i>Željana Nikolić - Toni Kekez</i>
Faculty of Civil Engineering, Architecture and Geodesy - University of Split |
| 11:15 | The innovative application of fragility methods to floods – Machine Learning surrogates for predicting and interpreting flood fragility parameters of masonry walls
<i>Stefanos Georgiadis</i>
Department of Engineering - University of Ferrara |
| 11:35 | Questions and Answers Session |