

INVITED LECTURE ANNOUNCEMENT

Speaker: Dr. Nenad Bijelić, University of Liège, Belgium



Presentation Title: Risk, Resilience and Data Engineering for the Built Environment

Date and Time: Friday, 4 April 2025 at 14:00

Location: Room G-312, University of Rijeka, Faculty of Civil Engineering, Radmile Matejčić 3, 5100 Rijeka (Croatia)

Presentation Summary: This seminar presents recent methodological advancements pertaining to assessment of seismic collapse risk of structures. Specifically, the talk will focus on using data-driven surrogates as a complement to physics-based response history analyses for collapse capacity quantification, with a particular emphasis on keeping the data requirements low and reducing the numerical burden of uncertainty quantification involved in seismic risk assessments.

Speaker's Short Bio: Nenad Bijelić is an Assistant Professor at the University of Liège, Belgium where he holds the chair of Resilience in Civil Engineering. Professor Bijelić joined University of Liège in January 2025 from EPFL, Switzerland where he was a postdoctoral scholar in the Resilient Steel Structures Laboratory (RESSLab). He obtained his Ph.D. (2018) and M.S. (2014) from Stanford University, USA, and B.S. (2010) from University of Zagreb, Croatia. His research was supported by the 2012 International Fulbright Science and Technology Award, the 2015 Shah Family Fellowship on Catastrophic Risk, the Southern California Earthquake Center, the Swiss Data Science Center, and the Swiss National Science Foundation.