

Stanford



Nikola Blagojevic

Postdoctoral Scholar, Civil and Environmental Engineering

Bio

BIO

Nikola Blagojević is a postdoctoral scholar at the Stanford Urban Resilience Initiative (SURI) within the Department of Civil and Environmental Engineering at Stanford University. His research focuses on regional recovery modeling and urban disaster resilience assessment.

As part of his doctoral work, Nikola developed pyrecodes, an open-source software for simulating how cities recover from disasters. His broader research interests span earthquake engineering, software development, post-disaster data collection, and climate risk and resilience assessment.

In addition to his academic research, Nikola has collaborated with the insurance industry to improve tools for assessing business interruption losses.

He holds a Ph.D. from ETH Zurich (2023) and an M.Sc. (2016) and B.Sc. (2015) in Structural Engineering from the University of Belgrade, Serbia.

PROFESSIONAL EDUCATION

- PhD, ETH Zurich , Civil Engineering (2023)
- MSc, University of Belgrade , Civil Engineering (2016)
- BSc, University of Belgrade , Civil Engineering (2015)

STANFORD ADVISORS

- Jack Baker, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=WHhcm8UAAAAJ&hl=sr>
- pyrecodes: https://nikolablagojevic.github.io/pyrecodes/html/usage/what_is_pyrecodes.html
- LinkedIn: <https://www.linkedin.com/in/nikola-blagojevic-3ba086103/>

Teaching

COURSES

2025-26

- Disaster and Climate Resilience Seminar: CEE 209S (Aut)

Publications

PUBLICATIONS

- **Building Back Better Following the 2023 Kahramanmaraş Earthquake Sequence: Repair and Retrofit of Damaged Residential Reinforced Concrete High-Rise Buildings** *EARTHQUAKE SPECTRA*
Blagojevic, N., Krtinic, N., Arslanturkoglu, S., Ozata, S., Aslan, Z., Marinkovic, M., Brzev, S., Stojadinovic, B.
2026; 42 (1)
- **Residential building stock in Serbia: classification and vulnerability for seismic risk studies** *BULLETIN OF EARTHQUAKE ENGINEERING*
Blagojevic, N., Brzev, S., Petrovic, M., Borozan, J., Bulajic, B., Marinkovic, M., Hadzima-Nyarko, M., Kokovic, V., Stojadinovic, B.
2023; 21 (9): 4315-4383