



## Omar Issa

Ph.D. Student in Civil and Environmental Engineering, admitted Spring 2022

### Bio

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#### BIO

Omar Issa is a graduate student in the Structural Engineering and Geomechanics Program (SEG), with interests in Performance-Based Earthquake Engineering (PBEE), urban resilience, and disaster risk management.

#### HONORS AND AWARDS

- Shah Fellowship on Catastrophic Risk, Department of Civil & Environmental Engineering, Stanford University (2022)
- SEI of ASCE San Francisco Chapter Scholarship, Structural Engineering Institute (SEI) of ASCE, San Francisco Chapter (2021)
- SEAOSC Foundation Scholarship, Structural Engineering Association of Southern California (SEAOSC) (2020)
- Muriel K. and Robert B. Allan Scholarship, UCLA Henry Samueli School of Engineering and Applied Science (2020)
- Undergraduate Student Paper Award, Earthquake Engineering Research Institute (EERI) (2019)

#### EDUCATION AND CERTIFICATIONS

- MS, Stanford University , Structural Engineering (2022)
- BS, University of California, Los Angeles (UCLA) , Civil Engineering (2020)

### Publications

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#### PUBLICATIONS

- **Machine-learning-based optimization framework to support recovery-based design** *Earthquake Engineering & Structural Dynamics*  
Issa, O., Silva-Lopez, R., Baker, J. W., Burton, H. V.  
2023
- **Ground Deformation Data from GEER Investigations of Ridgecrest Earthquake Sequence** *SEISMOLOGICAL RESEARCH LETTERS*  
Brandenberg, S. J., Stewart, J. P., Wang, P., Nweke, C. C., Hudson, K., Goulet, C. A., Meng, X., Davis, C. A., Ahdi, S. K., Hudson, M. B., Donnellan, A., Lyzenga, G., Pierce, et al  
2020; 91 (4): 2024-2034
- **Multi-scale cost-benefit analysis of the Los Angeles Soft-Story Ordinance** *ENGINEERING STRUCTURES*  
Yi, Z., Burton, H., Shokrabadi, M., Issa, O.  
2020; 214
- **UW RAPID UAV Imaging**  
Lyda, A., Yeung, S. J., Buckreis, T., Issa, O., Brandenberg, S., Yi, Z.  
2019