



## Neetesh Sharma

Postdoctoral Scholar, Civil and Environmental Engineering

 Curriculum Vitae available Online

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### Bio

#### STANFORD ADVISORS

- Jack Baker, Postdoctoral Faculty Sponsor

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### Teaching

#### COURSES

##### 2023-24

- Disaster Resilience Seminar: CEE 209S (Aut)
- Topics in Disaster Resilience Research: CEE 308 (Spr)

##### 2022-23

- Disaster Resilience Seminar: CEE 209S (Aut)

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### Publications

#### PUBLICATIONS

- **Uncertainty propagation in risk and resilience analysis of hierarchical systems** *RELIABILITY ENGINEERING & SYSTEM SAFETY*  
Tabandeh, A., Sharma, N., Gardoni, P.  
2022; 219
- **Mathematical modeling of interdependent infrastructure: An object-oriented approach for generalized network-system analysis** *RELIABILITY ENGINEERING & SYSTEM SAFETY*  
Sharma, N., Gardoni, P.  
2022; 217
- **Seismic risk and resilience analysis of networked industrial facilities** *BULLETIN OF EARTHQUAKE ENGINEERING*  
Tabandeh, A., Sharma, N., Gardoni, P.  
2023
- **Numerical solution of the Fokker-Planck equation using physics-based mixture models** *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*  
Tabandeh, A., Sharma, N., Iannacone, L., Gardoni, P.  
2022; 399
- **Modeling Time-varying Reliability and Resilience of Deteriorating Infrastructure** *RELIABILITY ENGINEERING & SYSTEM SAFETY*  
Iannacone, L., Sharma, N., Tabandeh, A., Gardoni, P.  
2022; 217
- **Classification and mathematical modeling of infrastructure interdependencies** *SUSTAINABLE AND RESILIENT INFRASTRUCTURE*

Sharma, N., Nocera, F., Gardoni, P.

2021; 6 (1-2): 4-25

- **Regional resilience analysis: A multiscale approach to optimize the resilience of interdependent infrastructure** *COMPUTER-AIDED CIVIL AND INFRASTRUCTURE ENGINEERING*

Sharma, N., Tabandeh, A., Gardoni, P.

2020; 35 (12): 1315-1330

- **Resilience analysis: a mathematical formulation to model resilience of engineering systems** *SUSTAINABLE AND RESILIENT INFRASTRUCTURE*

Sharma, N., Tabandeh, A., Gardoni, P.

2018; 3 (2): 49-67