

Sudan Pandey

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CV Date: 10/07/2024

EDUCATION

- Ph.D., Structural Engineering, University of Arizona, 2025
- M.S., Structural Engineering, Asian Institute of Technology, Thailand, 2017
- B.E., Civil Engineering, Tribhuvan University, Nepal, 2010

EXPERIENCE

- 2018- 2020 Senior Project Engineer, AIT Solutions, Thailand
 - Reviewed the structural system and developed the performance-based evaluation criteria, including seismic design methodology, seismic performance goals, acceptance criteria, mathematical modeling, and simulation based on various standards and guidelines.
- 2017-2018 Wind and Structure Engineer, AIT Solutions, Thailand
 - Conducted three different type of wind tunnel tests: High Frequency Force Balance (HFFB) using rigid model and force sensor, Cladding pressure test using rigid model and pressure sensors, and Pedestrian level wind speed test using Irwin probes.
- 2015 Civil Engineer, ERM Pvt. Ltd. Nepal. Responsible for reconnaissance of highway bridge

HONORS AND AWARDS

- Received Nepal Bidhya Bhusan 'Kha' – Government of Nepal's highest award conferred for academic excellence in master's degree, 2018
- Awarded with "His Majesty The King's Scholarships" for master's degree in structural engineering at AIT, 2015-2017
- Awarded with regular scholarship by Tribhuvan University for a Bachelor's degree in civil engineering, 2010-2014

PUBLICATIONS (STUDENT NAMES IN BOLD, POSTDOC NAMES IN ITALICS)

Google Scholar: <https://scholar.google.com/citations?user=3by7zkIAAAAJ&hl=en>

Typical authorship convention: for student-authored publications, the student is the first author, and the advisor is the last author. For other authorship positions or larger collaborative papers, authorship order denotes contribution level.

Journal Publications

1. Bokhari, Imraan, Pandey, Sudan, Fleischman, Robert B., EXPERIMENTAL EVALUATION OF WELDED INTERFACES BETWEEN STEEL CASTINGS AND ROUND HSS FOR BUILDING CONSTRUCTION, June 2024. (*submitted to Structures*)

Conference Publications

2. Pandey S., Fleischman R., Sause R., Ricles J., Uang CM. (2022). Behavior of Seismic Collectors in Steel Building Structures. 12th National Conference on Earthquake Engineering.
3. Najam, F., Joshi S., Pandey S., Vasanthapragash, N., & Warnitchai, P. (2020). A Response Modification Analysis (RMA) Procedure to Determine Nonlinear Seismic Demands of High-Rise RC Shear Wall Buildings. 17th World Conference on Earthquake Engineering, 17WCEE.
4. Pandey, S., Warnitchai, P., Vasanthapragash, N., & Najam, F. (2017). Development of modal hysteretic model for the seismic response analysis of tall buildings with RC shear wall. In Proceedings of the 7th Asia Conference on Earthquake Engineering.

PRESENTATIONS

“Wind Tunnel Testing,” 8th Joint Student Seminar on Civil Infrastructure, Asian Institute of Technology, Thailand, 12-13 September 2019

TEACHING EXPERIENCE

<i>Course #</i>	<i>Title</i>	<i>Term</i>	<i>Enrollment</i>
CEE 389	Civil Engineering Materials Lab	Win 2022	30
CEE 389	Civil Engineering Materials Lab	Win 2023	30
CEE 214	Statics	Aut 2023	20
CEE 214	Statics	Win 2024	20

TEACHING ASSISTANT EXPERIENCE

<i>Course #</i>	<i>Title</i>	<i>Term</i>	<i>Enrollment</i>
CEE 333	Steel Design	Win 2022	30
CEE 333	Behavior of Building Systems	Win 2023	30
CEE 214	Statics	Aut 2023	90
CEE 214	Statics	Win 2024	90

SERVICE

- Rapid Visual Assessment of Buildings after the Gorkha Earthquake 2015, Nepal