

MD SAMDANI AZAD

PHD STUDENT (CIVIL ENGINEERING)

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ABOUT ME

Md Samdani Azad obtained a master's degree from Mahidol University in Thailand in 2019. He is currently doing a Ph.D. at Konkuk University, Korea. Samdani has been doing his PhD dissertation as a member of the Disaster Resistant Structures Lab at Konkuk University. Structural dynamics, seismic performance assessment, Bayesian inference, sensitivity, uncertainty, supervised machine learning is his main research interests.

EXPERIENCE

01/03/2020 – Current

Student Researcher (PhD Candidate), Disaster Resistant Structure Lab, Konkuk University, Republic of Korea.

Scope: Seismic assessments of Nuclear powerplant structures, Reliability, Fragility Curves, Sensitivity, Uncertainty, Application of Bayesian Inference, FEM using ANSYS, OpenSees, etc., Program development using MATLAB and TCL, Application of meta-models and supervised machine learning

01/08/2017 – 31/07/2019

Research Assistant, Faculty of Engineering, Mahidol University, Thailand.

Scope: Time domain, frequency domain, and spectral fatigue, Seismic analysis of Offshore platform, Fragility curve development, Application of soil-structure interaction, Fe-model development and seismic analysis Opensees Hydrodynamic analysis, Application of Meta-heuristic optimization, Application of Survival signature for system reliability.

08/2017 – 12/2017

Teaching Assistant, Faculty of Engineering, Mahidol University

PRESENTATIONS

Presentation in the following conferences: The 26th International Conference on Structural Mechanics in Reactor Technology 2022, KSCE 2021 Convention Conference & Civil Expo, 7th International Conference on Marine Structures 2019, The 7th Asia Conference on Earthquake Engineering 2018.

MEMBERSHIPS

Student Member of the Structural Engineering Institute of American Society of Civil Engineers [25/05/2015 – Current]

Member (Student) of American Concrete Institute [13/08/2020 – Current]

REFERENCES

Chana Sinsabvarodom, Norwegian University of Science and Technology, Trondheim, Norway; Email: chana.sinsabvarodom@ntnu.no; Phone: +4746266038

EDUCATION

PhD student (2020-present), Konkuk University, Republic of Korea

Field of study: Civil Engineering
Grade: 4.45/4.50

Master of Engineering (2019), Mahidol University, Thailand

Field of study: Civil Engineering
Final grade: 3.63/4.00

KEY SKILLS

- Programming: MATLAB, TCL, Python
- Structural analysis: SAP2000
- ANSYS APDL
- OpenSees, Etabs, Staad.pro
- AutoCAD
- MICROSOFT OFFICE
- SK-LEARN
- Supervised Machine Learning

AWARDS

- Konkuk University Excellent Research Assistant (2nd ,3rd and 4th semester of PhD study)
- Mahidol University Postgraduate Scholarship 2017
- Living allowance scholarship from International Relations division, Mahidol University 2017

PUBLICATIONS

List of publications can be found <https://www.researchgate.net/profile/Md-Samdani-Azad>