



Saman Farhangdoust

Postdoctoral Scholar, Aeronautics and Astronautics

Bio

BIO

Dr. Saman Farhangdoust is pursuing the goal of using his interdisciplinary knowledge to advance the Smart City and Space concept and make a lasting impact on society. He enjoys venturing into new disciplines to combine cutting-edge technologies and develop novel solutions to today's structural safety problems.

As a Postdoctoral Scholar at Stanford University, Saman works on multi-functional materials and smart structures with particular emphases on intelligent self-sensing diagnostics and integrated health management for space and aircraft structures.

Outside of his research at Stanford, Saman is collaborating with MIT Media Lab as a Technical Consultant and also with Boeing Research and Technology as a Research Consultant to advance sensing and structural health monitoring systems.

Saman is considered a talented young researcher who has made valuable multidisciplinary contributions at an international level. These research activities have led to more than 40 publications including journal articles, conference proceedings, a textbook, U.S. Patents, national reports and guidelines to date.

HONORS AND AWARDS

- SEI Young Professional Scholarship, American Society of Civil Engineers (ASCE) (2022)
- Outstanding Student of the Year Award, United States Department of Transportation (USDOT) (2021)
- Real Triumphs Graduate Award, Florida International University (2021)
- Outstanding Graduate Scholar Award, Florida International University (2021)
- Dissertation Year Fellowship, Florida International University (2021)
- Outstanding Student Life Award, Florida International University (2021)
- Author Conference Grant, The Society of Photo-Optical Instrumentation Engineers (SPIE) (2020)
- Biography Selected, Who's Who in America - Marquis (2020)
- Travel Grant, The American Society for Nondestructive Testing (ASNT) (2019)
- Research Job Fellowship, Polytechnic University of Catalonia (2016)
- Ranked 1st in M.Sc. studies, Iran University of Science and Technology (2014)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Florida International University (2022)
- Master of Science, Florida International University (2021)

- Bachelor of Science, Ferdowsi University of Mashhad (2011)
- Master of Science, Iran Univ Of Science And Technology (2015)
- License, Florida International University (2021)
- Ph.D., Florida International University , Structural Engineering
- Master of Science, Florida International University , Civil Engineering
- Master of Science, Iran University of Science and Technology , Mechanical Engineering

STANFORD ADVISORS

- Fu-Kuo Chang, Postdoctoral Faculty Sponsor

LINKS

- "Instagram": https://www.instagram.com/farhangdoust_ir/?hl=en
- "Google Scholar": https://scholar.google.es/citations?hl=en&user=PesqObYAAAAJ&view_op=list_works&sortby=pubdate
- "LinkedIn": <https://www.linkedin.com/in/saman-farhangdoust-47674153>
- "Twitter": https://mobile.twitter.com/farhangdoust_ir
- "Lab": <https://sacl.stanford.edu/>

Publications

PUBLICATIONS

- **Kirigami auxetic structure for high efficiency power harvesting in self-powered and wireless structural health monitoring systems** *SMART MATERIALS AND STRUCTURES*
Farhangdoust, S., Georgeson, G., Ihn, J., Chang, F.
2021; 30 (1)