

IDENTIFYING INFORMATION:

NAME: Sadri, Arif Mohaimin

ORCID iD: <https://orcid.org/0000-0001-5571-6741>

POSITION TITLE: Assistant Professor

PRIMARY ORGANIZATION AND LOCATION: University of Oklahoma, Norman, OK, USA

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
Purdue University, West Lafayette, IN, USA	PHD	12/2016	Civil Engineering
Purdue University, West Lafayette, IN, USA	MS	12/2012	Civil Engineering
Bangladesh University of Engineering & Technology, Dhaka, Not Applicable, N/A, Bangladesh	BS	02/2011	Civil Engineering

Appointments and Positions

- 2022 - present Assistant Professor, University of Oklahoma, School of Civil Engineering & Environmental Science, Norman, OK, USA
- 2023 - present Affiliated Faculty, University of Oklahoma, Institute for Public Policy Research and Analysis, Norman, OK, USA
- 2021 - present Chair, National Academies, Transportation Research Board, Washington D.C., Not Applicable, N/A, USA
- 2020 - present Associate Editor, Elsevier, Transportation Research Interdisciplinary Perspectives, New York, NY, USA
- 2018 - 2021 Assistant Professor, Florida International University, Moss Department of Construction Management, Miami, FL, USA
- 2017 - 2018 Visiting Assistant Professor, Rose-Hulman Institute of Technology, Civil Engineering, Terre Haute, IN, USA

Products**Products Most Closely Related to the Proposed Project**

- Sadri A, Ukkusuri S, Lee S, Clawson R, Aldrich D, Nelson M, Seipel J, Kelly D. The role of social capital, personal networks, and emergency responders in post-disaster recovery and resilience: a study of rural communities in Indiana. *Natural Hazards*. 2017 November 9; 90(3):1377-1406. Available from: <http://link.springer.com/10.1007/s11069-017-3103-0> DOI: 10.1007/s11069-017-3103-0
- Sadri A, Hasan S, Ukkusuri S. Joint inference of user community and interest patterns in social interaction networks. *Social Network Analysis and Mining*. 2019; 9(1):- . Available from: <http://link.springer.com/10.1007/s13278-019-0551-4> DOI: 10.1007/s13278-019-0551-4
- Sadri A, Ukkusuri S, Gladwin H. Modeling joint evacuation decisions in social networks: The case of Hurricane Sandy. *Journal of Choice Modelling*. 2017 December; 25:50-60. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S175534517300313> DOI:

10.1016/j.jocm.2017.02.002

4. Sadri A, Ukkusuri S, Gladwin H. The Role of Social Networks and Information Sources on Hurricane Evacuation Decision Making. *Natural Hazards Review*. 2017 August; 18(3):-
Available from: <https://ascelibrary.org/doi/10.1061/%28ASCE%29NH.1527-6996.0000244>
DOI: 10.1061/(ASCE)NH.1527-6996.0000244
5. Sadri A, Hasan S, Ukkusuri S, Cebrian M. Crisis Communication Patterns in Social Media during Hurricane Sandy. *Transportation Research Record: Journal of the Transportation Research Board*. 2018 May 30; 2672(1):125-137. Available from:
<http://journals.sagepub.com/doi/10.1177/0361198118773896> DOI: 10.1177/0361198118773896

Other Significant Products, Whether or Not Related to the Proposed Project

1. Sadri A, Ukkusuri S, Murray-Tuite P. A random parameter ordered probit model to understand the mobilization time during hurricane evacuation. *Transportation Research Part C: Emerging Technologies*. 2013; 32:21-30. Available from:
<https://linkinghub.elsevier.com/retrieve/pii/S0968090X13000727> DOI:
10.1016/j.trc.2013.03.009
2. Sadri A, Hasan S, Ukkusuri S, Cebrian M. Exploring network properties of social media interactions and activities during Hurricane Sandy. *Transportation Research Interdisciplinary Perspectives*. 2020 July; 6:100143-. Available from:
<https://linkinghub.elsevier.com/retrieve/pii/S2590198220300543> DOI:
10.1016/j.trip.2020.100143
3. Lee S, Sadri A, Ukkusuri S, Clawson R, Seipel J. Network Structure and Substantive Dimensions of Improvised Social Support Ties Surrounding Households during Post-Disaster Recovery. *Natural Hazards Review*. 2019 November; 20(4):-
Available from:
<https://ascelibrary.org/doi/10.1061/%28ASCE%29NH.1527-6996.0000332> DOI:
10.1061/(ASCE)NH.1527-6996.0000332
4. Sadri A. Enhancing Peer Influence in STEM Learning and Engagement through Social Media Interactions Using Network Science Principles. 2020 ASEE Virtual Annual Conference Content Access Proceedings. 2020 ASEE Virtual Annual Conference Content Access; ; Virtual On line. ASEE Conferences; c2020. Available from: <http://peer.asee.org/34572> DOI: 10.18260/1-2--34572
5. Ahmed M, Sadri A, Amini M. Data-driven inferences of agency-level risk and response communication on COVID-19 through social media-based interactions. *Journal of Emergency Management*. 2021 October 01; 19(7):59-82. Available from:
<https://wmpllc.org/ojs/index.php/jem/article/view/3064> DOI: 10.5055/jem.0589

Synergistic Activities

1. Integrating Research and Education: Dr. Sadri developed and offered an undergraduate STEM course integrated with social media activities that met external Quality Matters standards including Americans with Disabilities Act (ADA) compliance and a graduate Hazards Mitigation course that attracted students from different major including engineering, social science, and communication.
2. Local and International Community Engagement: Dr. Sadri is the Principal Investigator (PI) of a project funded by NSF Smart & Connected Communities program (#2229439) developing the

foundation for a risk sharing network for under-served tribal communities in OK through deep engagement activities with the city officials in the rural OK and residents from the Quapaw Nation in collaboration with the Inter-Tribal Emergency Management Coalition. Dr. Sadri also the Co-PI of a USDOT-funded regional University Transportation Center, with a major focus on strengthening the tribal transportation infrastructure through workforce development, technology transfer, and community outreach in USDOT Region 6 including OK, TX, LA, AR, and NM. Dr Sadri also served as the Lead Organizer of training workshops in Chile that included local students, faculties, and emergency management officials as part of Tsunami evacuation capacity building initiatives on a project funded by USAID.

3. Broadening Participation of Groups Underrepresented in STEM: Dr. Sadri served as K-12 outreach volunteer in multiple events including SHE BUILDS summer camp for women in STEM with hands-on experiences on Networks & Games and mentored graduate as well as undergraduate students from underrepresented groups through NSF support discussed above and Oklahoma EPSCoR REU.
4. Technology Transfer: Dr. Sadri, as the PI, developed a comprehensive tool for transportation and emergency management agencies that can detect anomalies of risk communication in socio-technical systems through NSF-funded projects on COVID-19 (NSF RAPID #2027360 and National I-Corps #2050407) and a tool to identify the topological credentials of transportation and other physical infrastructure systems through USDOT-funded project (US Patent #11501236).
5. Service to Research Community: Dr. Sadri is the Associate Editor of Elsevier journal Transportation Research Interdisciplinary Perspectives (Elsevier) and Chair of the Communication Coordinator Council of Sustainability and Resilience Group of Transportation Research Board of the National Academies that includes three sections and eighteen committees of researchers and practitioners in the areas of transportation sustainability and resilience.

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Sadri, Arif Mohaimin in SciENCv on 2024-03-23 13:21:06