Md Touhid Hossain, M.Sc.

CURRENT EMPLOYMENT

Member, Institute for Physical Infrastructure & Transportation (IPIT), University of Wisconsin-Milwaukee
Graduate Research Assistant, Safe and Smart Traffic Laboratory, Civil and Environmental Engineering, University of Wisconsin-Milwaukee
NWQ 4473, P.O. Box, Milwaukee, WI, mdtouhid@uwm.edu, 218-576-8173
LinkedIn profile: https://www.linkedin.com/in/mdtouhidhossain/

EDUCATION (INSTITUTION, LOCATION, MAJOR, DEGREE, YEAR)

Ph.D. student in Civil and Environmental Engineering (Transportation), University of Wisconsin-Milwaukee
M.Sc. in Electrical Engineering, University of Minnesota Duluth, USA, 2021
B.Sc. in Electrical and Electronic Engineering, Khulna University of Engineering and Technology, Bangladesh, 2016

APPOINTMENTS (POSITION, ORGINZATION AND LOCATION)

Graduate Research Assistant Aug 2021 – Present
Safe and Smart (S^2) Traffic Laboratory, Civil and Environmental Engineering, University of Wisconsin-Milwaukee

Graduate Research Assistant Aug 2019 – May 2021
Connected Vehicle Research Laboratory (CVRL), Department of Electrical Engineering, University of Minnesota Duluth

Graduate Teaching Assistant Aug 2018 – May 2021
Department of Electrical Engineering, University of Minnesota Duluth

Graduate Intern (Engineering Project Management) Dec 2016 – April 2017
Plant Maintenance, Novartis Bangladesh Limited, Dhaka, Bangladesh

SELECTED AWARDS AND HONORS

- Chancellor's Graduate Student Award (CGSA), University of Wisconsin-Milwaukee, 2021-22
- Dean's Fellowship, College of Engineering and Applied Science (CEAS), Department of Civil and Environmental Engineering, University of Wisconsin-Milwaukee, 2021-22

FUNDED RESEARCH ACTIVITIES

Selected Research Projects

1. GRA, CTS #2019014: Development and Demonstration of an In-Vehicle Lane Departure Warning System using Standard GPS Technology (Minnesota Local Road Research Board (LRRB)/MnDOT Research and Innovation Project, 08/2019-06/2021)

Selected Papers Published

1. **Hossain M.T.**, Chowdhury S., Hayee M.I. (2022) An In-Vehicle Erratic Driving Detection and Warning System Using GPS Technology. In: Arai K. (eds) Proceedings of the Future Technologies Conference (FTC) 2021, Volume 1. FTC 2021. Lecture Notes in Networks and Systems, vol 358. Springer, Cham. https://doi.org/10.1007/978-3-030-89906-6_29
2. Chowdhury S., **Hossain M. T.** and Hayee M. I. Generation of Road Reference Heading using GPS Trajectories for Accurate Lane Departure Detection. DOI: 10.5220/0010465405840593 In Proceedings of the 7th International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS 2021), pages 584-593