ANDALIB SHAMS

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EDUCATIONAL QUALIFICATION

2019-Present	**Ph.D. in Civil Engineering (On-going)**
Institution	Iowa State University
Advisor	Christopher M. Day

2017- 2018	**M.S. in Civil Engineering**
Institution	University of Wyoming
Advisor	Milan Zlatkovic

2010-2015	**Bachelor of Urban and Regional Planning**
Institution	Bangladesh University of Engineering and Technology, (BUET)

EXPERIENCE

01/2019-Present	Graduate Research Assistant at Iowa State University
Assigned Project	"Identifying the Performance Potential for Intersection Control Using Advanced Infrastructure Sensing" – in cooperation with National Renewable Energy Lab (NREL) and Funded By (Department of Energy)

01/2017 – 8/2018	Graduate Research Assistant at University of Wyoming
Assigned Project	Improving Traffic Operational Performances along Redwood Road Corridor, Salt Lake City, Utah

01/2018 – 05/2018	Teaching Assistant of Dynamics course at Department of Civil and Architectural Engineering, University of Wyoming

12/2015 - 06/2016	Consultant at The World Bank Group

01/2015 – 02/2015	Intern at Dhaka Transport Corporation Authority (DTCA)

PUBLICATIONS

Journal Publication

Shams, A., Zlatkovic, M., (2020). Effects of Capacity and Transit Improvements on Traffic and Transit Operations *Transportation Planning and Technology,* 43:6, 602-619, DOI: 10.1080/03081060.2020.1780710

Shams, A., Zlatkovic, M., (2019). Platoon Signal Priority in Connected-Autonomous Vehicle Environments: Algorithm Development and Testing *Put I Saobraćaj*, *65*(4), 1-9. https://doi.org/10.31075/PIS.65.04.01

Peer-reviewed Conference Proceedings

Shams, A., and Day, C.M. (2021) Impact of Sensing Range on Real-Time Adaptive Control of Signalized Intersections Using Vehicle Trajectory Information *Proceedings of the 100th Transportation Research Board Annual Meeting* 2021.

Invited Talks

Shams, A., and Day, C.M. (2021) Impact of Sensing Range on Real-Time Adaptive Control of Signalized Intersections Using Vehicle Trajectory Information *PTV Student Talk* 2021, March.

TECHNICAL SKILLS

Programming Skills   C++, Python, R

Software Skills   Traffic Simulation Software (VISSIM, VISUM, , VISTRO/ SYNCHRO)

PROFESSIONAL SERVICES

- Reviewer, Transportation Research Record- Journal of the Transportation Research Board, SAGE Publisher
- Reviewer, Journal of Transportation Engineering, Part A: Systems, ASCE Publisher.