

ISMAIL ZOHDY, PH.D.

TITLE

Senior Transportation Analyst

Email: ismail.zohdy@gmail.com

RELEVANT EXPERTISE

- Intelligent Transportation System
- Connected Vehicles Applications
- Automated Vehicles Deployment
- Modeling and simulation
- Benefit Cost Analysis
- Performance Measurement Analysis
- Highway Geometric Design
- Traffic Impact Studies
- Inclement Weather Analysis
- Human Factor

YEARS OF EXPERIENCE

9 Years

EDUCATION

Ph.D., Transportation Engineering,
Virginia Tech

M.S., Transportation Engineering,
Virginia Tech

B.S., Civil Engineering, Ain Shams
University, Egypt

Summary

Dr. Zohdy has 9 years of experience in traffic engineering, Intelligent Transportation Systems (ITS), planning and demand modeling, Connected Vehicles technology, and Smart City initiative. He is a senior transportation analyst at Booz Allen and previously worked as a Research Assistant at the Virginia Tech Transportation Institute and on-site contractor at Turner-Fairbank, Federal Highway Administration (FHWA). He brings extensive experience in Connected Vehicle, Automated Vehicle and advanced technology applications.

Dr. Zohdy did extensive research in the ITS related research, including: geometric design configurations, human behavior, inclement weather of Connected Vehicle operation and lane management impact on Automated Vehicles platooning. Dr. Zohdy is an author of many publications in leading journals, conference/workshop presentations and technical reports. He was honored several research awards in ITS, including the “*Best Scientific Paper*”, ITS World Congress. These work experiences allowed him to participate in many transportation engineering projects at local, national, regional, and international scales.

Professional Experience

- **Booz Allen Hamilton**, Washington, DC, January 2014–Present, Associate
- **U.S. Federal Highway Administration (FHWA) On-site Contractor**, Washington, DC, March 2013–January 2014, Transportation Engineer
- **Virginia Tech Transportation Institute**, Blacksburg VA, August 2008–March 2013, Researcher at Sustainable Mobility Center
- **Ain Shams University**, Egypt, September 2006- August 2008, Instructor at Civil Engineering
- **Dar Al-Handasa**, Cairo Egypt, January 2007- August 2008, Traffic Engineer (part time)

Selected Awards

- The Best Scientific Paper Award, ITS World Congress, Vienna.
- Winner of the National Rural ITS (NRTIS) paper competition
- Winner (two times) of the International Road Federation (IRF) ITS Paper Competition

Selected Projects

- **Task Manager** for Project “*Analysis, Modeling, and Simulation (AMS) Testbed Development and Evaluation to Support Dynamic Mobility Application (DMA) and Active Transportation and Demand Management (ATDM) Programs*”. Funding Agency: US Department of Transportation (DOT), FHWA, Office of Operations
- **Task Manager** for Project “*Development of Primers on Active Demand Management*”. Funding Agency: US Department of Transportation (DOT), FHWA, Office of Operations
- **Task Manager** for Project “*Understanding Travel Behavior*”. Funding Agency: US Department of Transportation (DOT), FHWA, Office of Policy