**Amy M. Moore| Transportation Analytics and Decision Science Group**

Oak Ridge National Laboratory | Energy Science and Technology Directorate

**EDUCATION AND TRAINING**

* University of Tennessee, Knoxville, Tennessee, Mechanical Engineering, BSME (current)
* Georgia Institute of Technology, Atlanta, Georgia, Civil Engineering, PhD, 2016
* Southern Polytechnic Institute, Marietta, Georgia, Information Technology Certificate, 2015
* Georgia Institute of Technology, Atlanta, Georgia, Civil Engineering, MSCE, 2013
* Georgia Institute of Technology, Atlanta, Georgia, Transportation Planning, MCRP, 2013
* Georgia State University, Atlanta, Georgia, Geosciences, MA, 2011
* Georgia State University, Atlanta, Georgia, Geographic Information Science Certificate, 2010
* University of North Georgia, Dahlonega, Georgia, Public Policy Analysis, MPA, 2008
* Georgia State University, Atlanta, Georgia, BS, 2007

**PROFESSIONAL EXPERIENCE**

**Oak Ridge National Laboratory Transportation Engineer, R&D Staff, 2018-present**

R&D focus on freight network systems modeling, focusing on last-mile freight delivery systems, using electric vehicles, drones, and pairing of innovative technologies to reduce fleet-wide energy usage. P.I. for three years under Vehicle Technology Office’s SMART Mobility Consortium. Additional R&D focus on infrastructure modeling using G.I.S.

**Oak Ridge National Laboratory Postdoctoral Research Staff, 2017-2018**

R&D on freight network systems modeling, focusing on last-mile freight delivery systems. Involved in development of modeling framework for ongoing SMART Mobility Consortium work under Multi-Modal Freight Pillar.

**Georgia Institute of Technology Research Engineer, 2017**

R&D focus on Georgia Department of Transportation (GDOT) projects involving Georgia crash incident data and improving safety at roundabouts. Developed a GIS model using ArcPy language to obtain crash incident data at intersections using the Road Characteristics (RC) Link Database.

**RECENT PUBLICATIONS**

1. AM Moore, MO Rodgers, SP French. [A convective wind resource model for Solar Vortex power generation](javascript:void(0)) International Journal of Green Energy 17 (3), 208-218.
2. AM Moore. [Innovative scenarios for modeling intra-city freight delivery](javascript:void(0)) Transportation Research Interdisciplinary Perspectives 3, 100024.
3. AM Moore, SJ Curran, MV Lapsa, AD Bittler. [Geoanalysis of park-and-ride facilities for future laboratory-wide commuting program](javascript:void(0)) Transportation Research Interdisciplinary Perspectives 3, 100025.
4. M Stinson, A Enam, A Moore, J Auld. [Citywide Impacts of E-Commerce: Does Parcel Delivery Travel Outweigh Household Shopping Travel Reductions?](javascript:void(0)) Proceedings of the 2nd ACM/EIGSCC Symposium on Smart Cities and Communities, 1-7.
5. Moore, Amy M. Optimization of Intra-City Freight Movement with New Delivery Methods. Transportation Research Board Annual Meeting Compendium of Papers. (January 2019).