

Theresa Litteral, GISP	
Statewide MDST Facilitator, Iowa Local Technical Assistance Program (LTAP) Institute for Transportation Iowa State University 2711 South Loop Dr. Suite 4700 Ames, IA 50010	(515) 294-7465 litteral@iastate.edu IOWA STATE UNIVERSITY Institute for Transportation

EDUCATION

- MS, Geobiophysical Modeling, Marshall University, Huntington, WV, 2003
- BS, Geology, Anglia Ruskin University, Cambridge, United Kingdom, 1999

PROFESSIONAL EXPERIENCE

- Statewide MDST Facilitator/Program Manager, Iowa Local Technical Assistance Program, Institute for Transportation, Iowa State University, 2015–Present
- Adjunct Professor, Department of Information Technology and Geospatial Sciences, Mountwest Community and Technical College, Huntington, WV, 2015–2018
- Assistant Professor, Department of Information Technology and Geospatial Sciences, Mountwest Community and Technical College, Huntington, WV, 2013–2015
- Adjunct Professor, Marshall University, Huntington, WV, 2011–2018
- Project Manager, Cabell County Planning Commission, Huntington, WV, 2013–2014
- Project Manager, City of Milton, Milton, WV, 2014
- Trails Systems Program Manager, Rahall Transportation Institute, Marshall University, Huntington, WV, 2009–2013

SELECTED RESEARCH PROJECTS

- *Trails Inventory Mapping System Phase II*
- *Trails Inventory Mapping System Phase I*
- *Linear Referencing Mapping System*
- *GIS/GPS Training*
- *Paul Ambrose Trail for Health (PATH)*
- *County-Wide Tax Parcel Cadastral Mapping*
- *West Virginia DOT Workforce Development Study*
- *GIS Mapping System for West Virginia Appalachian Development Highway System (ADHS)*
- *Development of a Transportation and Economic Development Information System for the State of West Virginia (TEDIS-WV)*
- *Hatfield McCoy Trails GIS Mapping and Trail Issues*
- *CSX Rail Trestle Conversion to ATV Trail for Hatfield McCoy*

IN-PROGRESS RESEARCH

- *Multidiscipline Safety Team (MDST) Facilitation*
- *Iowa DOT Office of Traffic and Safety SAVER Tutorial*

SELECTED PUBLICATIONS

- Hallmark, S., A. Goswamy, T. Litteral, and M. Pawlovich, M. 2018. Safety Evaluation of Destination Lighting Treatment at Stop Controlled Cross-Intersections. *Transportation Research Record: Journal of the Transportation Research Board*.
- Fet, G. N., T. M. Litteral, J. O. Brumfield, and R. E. Oberly. 2004. Demonstration of the Image Map Web Server Technology to Assess Environmental Concerns in Appalachians. *Proceedings of the ICA HMRSC VII International Symposium*, University of Graz, Austria, pp. 60–62,
- Litteral, T. M., G. N. Fet, J. O. Brumfield, and R. E. Oberly. 2003. Using Remote Sensing and GIS with Image Map Web Server for Transportation Corridors and Economic Development in Mingo County, West Virginia. *Proceedings of the ICA HMRSC VII International Symposium with Global Mountain Summit*, Bishkek, Kyrgyz Republic.
- Litteral, T. M., G. N. Fet, J. O. Brumfield, and R. E. Oberly. 2003. Using 3D Satellite Image Analysis for Mining Reclamation in West Virginia. *Proceedings of the Appalachian Remote Sensing Conference*, West Virginia University, Morgantown, West Virginia.
- Litteral, T. M., J. Brumfield, and R. Oberly. 2001. Remote Sensing Techniques for Environmental Impact of Mining Activity. *Proceedings of the Appalachian Section of American Association of Physics Teachers*, Marshall University, Huntington, West Virginia, October 13.

PROFESSIONAL AFFILIATIONS, HONORS, and SERVICE

- West Virginia Association of Geospatial Professionals
- Transportation Research Board, Pedestrian and Bicycle Education Subcommittee
- Geological Society of London, FGS
- Geographical Information Systems Professional (GISP)
- Mining and Resource Contractors Safety and Training Association (MARCSTA)
- ESRI Building Geodatabases
- ESRI Special Achievement Award in GIS
- Society of American Military Engineers
- URISA Cartographic Mapping
- Certified Railroad Safety Instructor, Operation Lifesaver, West Virginia