

UTC Project Information	
Project Title	Developing a Fuzzy-Logic Method for Evaluating the Accessibility of Disable People to Public Transportation in Rural Communities
University	Washington State University
Principal Investigator	Mohammadrorush (Tommy) Tafazzoli
PI Contact Information	tommy.tafazzoli@wsu.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans \$40,000 Washington State University \$ 40,000
Total Project Cost	\$ 80,000
Agency ID or Contract Number	69A3551747110
Start and End Dates	August 16, 2019-August 15, 2021
Brief Description of Research Project	<p>This research will introduce a method that will comprehensively evaluate the accessibility of public transportation services for disabled people in rural areas. The proposed approach will fill the gap of the existing evaluation methods by transforming the existing <i>transportation-quality</i> evaluation to an <i>accessibility-quality</i> evaluation focused on disabled people in rural areas, by evaluating accessibility for four major disability types, and by introducing a fuzzy-logic assessment that generates a quantitative score for the evaluation.</p> <p>The research is expected to have the following benefits:</p> <ul style="list-style-type: none"> *detecting the accessibility issues based on the disability type that leads to meeting the demands of people from various disability groups (not just wheelchair users) *maximizing the efficiency of the investments in improving the accessibility by prioritizing different measures based on scores with universal interpretations *contributing to the health, vitality, well-being, and economic independence of disabled people living in rural areas.

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, or anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none">• Reports• Project Website	