

Statement of Capabilities and Experience

JEROME M. LUTIN, PhD, PE, PP, AICP, F.ITE

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Jerome M. Lutin, PhD, LLC is a Service-Disabled Veteran Owned Small Business (SDVOSB) certified by the US Small Business Administration, State of New Jersey Treasury Department, and The Port Authority of New York and New Jersey, engaged in public transportation design, engineering, planning, and research.

Dr Jerome M. Lutin has 50+ years of experience in transportation design, engineering, planning, research, and teaching. He is a Fellow of the Institute of Transportation Engineers and a member of the American Institute of Certified Planners. He was awarded the American Institute of Architects gold medal for academic excellence by Princeton University. Dr Lutin has written and contributed to more than 80 publications, including book chapters, refereed journal articles, conference proceedings, and technical reports.

Subject Matter Expertise:

- Public transportation operations and planning
- Automated and autonomous vehicles
- Land use planning and permitting
- Passenger terminal planning and design
- Transit corridor and station planning
- Environmental impact statements
- Regional planning and policy

Capabilities:

- Transportation systems design, engineering, planning, and research
- Land use planning
- Proposal writing and editing.
- Project management
- Strategic planning
- Client relations
- Planning and design reviews
- Technical report writing and presentations.

Professional Credentials and Education:

- Professional Engineer, New Jersey, #GE29042, 1983 -
- Professional Engineer, Pennsylvania, #PE071129, 2003 -
- Professional Planner, New Jersey, #2868, 1983 -
- BA, Fine Arts (Architecture) cum laude, 1964, Trinity College, Hartford, CT
- Master of Architecture and Urban Planning, 1973, Princeton University, Princeton, NJ
- Ph.D., Urban Planning, 1977, Princeton University, Princeton, NJ.

Employment History:

- 2019 – 2023 Robotic Research LLC, Transit industry advisor on automating public transit

- 2017-2022 Washington State Transit Insurance Pool, Principal Investigator (Project Leader) for a \$2.4 million Federal Transit Administration (FTA) Pierce Transit Automated Bus Collision Avoidance and Mitigation Safety Research and Demonstration Project
- 2015-2017 Washington State Transit Insurance Pool, Co-Principal Investigator on the Active Safety-Collision Warning Pilot - under the Transportation Research Board (TRB) Innovations Deserving Exploratory Analysis (IDEA) program.
- 2014-2016 US Department of Transportation, Webinar developer and presenter for ITS Professional Capacity Building Program, including: "Transit and the Automated/Connected Vehicle Environment/Emerging Technologies, Applications, and Future Platforms."
- 2009-2014 Rutgers University, National Transit Institute, Instructor, taught professional education courses on Transit Oriented Development and ITS Standards on-site at transit agencies nationwide.
- 2008-2010 New Jersey Institute of Technology, Distinguished Research Professor - Directed \$2.2 million Federally sponsored research program, "Regional Planning for Transit Supportive Development, A Toolkit for Practitioners."
- 1988-2007 New Jersey Transit (NJT),
 - 2004-2007 Senior Director of Statewide and Regional Planning - represented NJT on metropolitan planning organization (MPO) boards— responsible for project prioritization and programming Federal funding. Developed draft policy for NJDOT on Access Management for public transportation.
 - 1995-2004 Senior Director of Planning Research and Development – responsible for the following groups: Advanced Technology Projects, Tariffs and Regulatory Affairs, Geographic Information Systems, and Bus Stops Signs and Shelters.
 - 1991-1995 Director of Newark-Elizabeth Rail Link Office – responsible for planning, community outreach, environmental impact statements, and 30% engineering design of Newark Light Rail expansion, and planning, preliminary design, and engineering of the Newark International Airport Rail Station.
 - 1988-1991 Deputy Director, Hudson River Waterfront Transportation Office – responsible for organizing new division, Directed all planning and engineering for 20-mile Hudson Bergen Light Rail System.
- 1983-1988 Parsons Brinckerhoff Quade & Douglas Inc. (now WSP) Vice President, Principal Professional Associate, and Technical Director of Transportation Planning – prepared proposals, directed projects, mentored staff, developed planning methods, provided quality control and technical oversight.
- 1982-1983 Gibbs & Hill, Inc. Chief Transportation Engineer, Managed Transportation Department. Served as deputy project manager for New York MTA "Queens Subway Options Study." Responsible for testing of new Pittsburgh LRT maintenance facility.
- 1980 – 1982 Parsons Brinckerhoff Quade & Douglas Inc. (now WSP) Supervising Regional Transportation Planner, Professional Associate - prepared proposals and performed planning studies for transit authorities and other public and private clients
- 1977-1982 Princeton University, Assistant Professor of Civil Engineering – taught and researched transportation planning and modelling techniques
- 1973-1977 Princeton University, Lecturer in Architecture and Urban Planning – taught architectural design and planning for transportation systems and terminals.
- 1970 – 1973 Princeton University, Graduate Research Assistant in Architecture and Civil Engineering
- 1966 – 1970 United States Air Force, Captain, Aircraft Maintenance Officer, and Civil Engineering Officer, – Responsible for 80+ technicians, 16 C-130E aircraft, and aircraft maintenance facilities design
- 1965 – 1966 Charles DuBose, FAIA, Architects, Hartford, CT, Architectural Draftsman and Junior Designer - Responsibilities included: on-site construction inspection, schematic design of underground parking garage; design, layout and contract drawings of buildings, roads, parking lots, and site work for a 50-acre aerospace industrial complex.