

John S. Niles

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Summary

Four decades of independent consulting experience in policy research, technology assessment, program design, and quantitative analysis for businesses, universities, government agencies, associations, and civic consortia. Always focused on creative, sustainable, technology-based solutions for personal travel and freight movement. Delivery of ideas via writing, small group meetings in-person and audio/video-virtual, big multi-day conferences, public speaking, social media, and mainstream media relations. Co-founder and start-up participant in several think tanks.

Examples of Diverse Project Experience

- Production of thought-leading concepts supporting the development and deployment of automated electric vehicles, while serving as a member of two research and consulting think tanks, Grush Niles Strategic and the Center for Advanced Transportation and Energy Solutions ([CATES](#)). Track record of invited reports and publications posted at <http://endofdriving.org>. Presentations include MIT Disrupting Mobility Conference in December 2015 ([poster](#) in pdf and [book chapter for Springer](#)), at MIT Enterprise Forum in October 2014 ([video excerpt](#)), and as lunch speaker at the ITS Canada Annual Meeting, June 2014 ([text](#) in pdf).
- Working as an appointed Research Associate at Mineta Transportation Institute at San Jose State University, co-authored three research reports with that University's Economics Professor J.M. Pogodzinski including "Bus Transit Operational Efficiency Resulting from Passenger Boardings at Park-and-Ride Facilities" that yielded a peer-reviewed [paper](#) followed by a [poster](#) for the January 2017 annual meeting of the Transportation Research Board. Another [report](#) in 2021 compared the ridership impacts of park-and-ride facilities and multi-family housing near transit stops and still another [examined the opportunity with microtransit](#) to expand public transit service to disadvantaged populations in the recovery from the COVID-19 pandemic.
- Working with Ridesharing Institute founder Paul Minett, co-developed the innovative transportation demand management concept of "Congestion Clearing Payments to Passengers" in a USDOT-funded [research project](#) at Mineta Transportation Institute. After presentations in 2021 at the 62nd Annual U.S. Transportation Research Forum and the 2021 International Transport Forum [Pre-Summit Research Days](#), this technology application is being considered for further development in Europe and California.
- Designed and described "incremental BRT" as a strategy for public transit agencies to improve public transit cost effectively and quickly in a published, peer-reviewed report for Mineta Transportation Institute. Follow-on quantification of best levers for performance improvement conducted with FTA funding in association with Breakthrough Technologies Institute, Washington, DC. Results posted at <http://globaltelematics.com/brt> .
- Organized and directed policy research and advocacy on cost-effective transportation alternatives – for example, advanced ride sharing, bus rapid transit, traffic operations management, congestion-sensitive road use fees, and telecommuting – on behalf of Kemper Development Corporation (Bellevue, WA), Cascadia Center for Regional Development (Seattle), Center for the New West (Denver), and several metropolitan planning organizations. Reports include *Travel Value Pricing: Better Traffic Operations Management*

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and New Revenue for the Puget Sound Region; Technology & Transportation: The Dynamic Relationship; and Southern California Telecommunications Deployment Strategy [for Transportation Improvement].

- Development of community relations strategy for Dayjet, a pioneering company in the on-demand segment of business aviation.
- Conducted pioneering research into how retail market trends and resulting consumer behavior influence non-work trips and transit-oriented development. This work resulted in papers for TRB, the American Planning Association, and Mineta Transportation Institute (MTI). The last published was the co-authored, peer-reviewed MTI report, *A New Planning Template for Transit-Oriented Development*.
- Designed, planned, and prepared (with subcontractor team input) a major U.S. Department of Energy research study of telecommunications impacts on transportation, titled [Beyond Telecommuting, now a full-text research reference on the Internet](#).

Employment

- Independent analyst, writer, researcher, evaluator, management adviser, and change agent based in Seattle focused on state and local government policy. Nationwide clients. Intermittent research and consulting assignments lately as Research Associate at Mineta Transportation Institute, San Jose State University, and earlier as Senior Fellow for Transportation and Technology at Center for the New West (Denver, funded by US WEST).
- Consulting work has encompassed research, analysis, design, planning, and implementation of improvement strategies for public and private interests in transportation, telecommunications, and economic development – particularly where these topics intersect. Active in these fields since 1978, beginning in Washington DC and continuing in Seattle since 1982. In the 1980s, served as a contract consultant to Control Data Corporation, inventing, designing, implementing, and marketing a pre-Internet professional electronic data-sharing and communication network for local government agencies. In 1986 founded Global Telematics.
- Earlier, served as a productivity improvement specialist and project manager in the Mayor's Office, District of Columbia, and before that, a U.S. Naval Officer responsible for the quality of maintenance in a squadron of anti-submarine patrol aircraft.

Presentations

- List at <http://www.globaltelematics.com/present.htm>

Writing

- Scholarship over four decades visible at <http://ResearchGate.net>
- Co-author of the textbook [The End of Driving: Transportation Systems and Public Policy Planning for Autonomous Vehicles. \(Elsevier, 2018\)](#)
- Co-author of book [The New Management \(McGraw-Hill, 1976\)](#)

Education

- M.Sc. in Industrial Administration, Carnegie Mellon University, Pittsburgh. Specialties included quantitative analysis and public policy.
- Sc.B. in Mathematics, Massachusetts Institute of Technology, Cambridge. Specialties included electrical engineering and systems analysis.
- Extensive overseas travel as member of [Servas](#) and [Friendship Force International](#).