

Margaret K. Singh

Argonne National Laboratory
Center for Transportation Research
9700 South Cass Avenue
Argonne, IL 60439-4837
phone: 202/488-2440, fax: 202/488-2413
e-mail: singhm@anl.gov

Professional Experience

- **1978-Present.** Transportation Systems Planner/Environmental Scientist at the Center for Transportation Research of the Energy Systems Division at Argonne National Laboratory in Chicago, Illinois and Washington, D.C.
 - Evaluate costs and benefits of advanced transportation technologies; both vehicles and fuels
 - Vehicles include fuel cell vehicles, electric vehicles, natural gas vehicles, as well as flex-fuel and dual-fuel vehicles
 - Fuels include hydrogen, natural gas, propane, reformulated gasoline and diesel fuels
 - Evaluation includes evaluation of their oil savings potential, their environmental (including greenhouse gas) benefits and costs, the physical infrastructures (distribution systems and refueling facilities) required to support them and their costs, their potential use in various markets and transition issues (i.e., how to address barriers to their use)
 - Run the VISION model which has been developed for the U.S. Department of Energy (DOE) to provide estimates of the oil savings and greenhouse gas benefits of alternative light and heavy vehicle technologies to 2050
 - Currently developing a spreadsheet model which regionalizes future H2 production
 - Evaluated state and local evacuation plans and evacuation time studies for numerous nuclear power plants for the Federal Emergency Management Agency
 - For DOE, codeveloped a plan for data collection on the transportation infrastructure surrounding nuclear power plants for purposes of spent-fuel shipments
- **1975-1978.** Transportation Planner/Environmental Specialist, Development Planning Department, Regional Transportation Authority, Chicago, Illinois
- **1974-1975.** Research Coordinator, Planning Development Department, Chicago Transit Authority, Chicago, Illinois
- **1972-1974.** Campus Planner, Richardson, Scheeler, Severns, Greene and Associates; Champaign, Illinois

- **1971-1972.** Teaching and Research Assistant, Department of Urban Planning, University of Illinois; Champaign, Illinois
- **1969-1970.** Research Assistant, Morton Hoffman & Co., Economic Consultants; Baltimore, Maryland

Education

- PhD Studies, Public Policy Analysis, University of Illinois; Chicago, Illinois, 1985-1988
- MUP, Master of Urban Planning, University of Illinois; Urbana-Champaign, Illinois, 1972
- BA, Psychology, Northwestern University; Evanston, Illinois, 1969

Professional Society Affiliations

- Transportation Research Board, Alternative Fuels Committee
- Society of Automotive Engineers

Publications & Presentations

- 14 journal articles and book contributions
- 36 reports
- 29 conference papers
- 1 presentation