Christopher L. Saricks

Transportation Systems Analyst
Technology Assessments Section
Center for Transportation Research
Argonne National Laboratory
phone: 630/252-8335, fax: 630/252-3443
e-mail: csaricks@anl.gov

Professional Experience

Argonne National Laboratory (1979–Present)

- More than 35 years of experience in technical aspects of urban and regional transportation planning and environmental quality analysis, 25 years of experience in risk analysis of surface freight transportation, and 15 years experience in alt- and bio-fuel analysis and policy.
- Codeveloper of the transportation activity and emissions forecasting model applied in the National Acid Precipitation Assessment Program (NAPAP). Wrote two State of Science papers for NAPAP's final report.
- Co-author of the National Academy of Sciences' frequently cited publication, *Ozone-forming Potential of Reformulated Gasoline.*
- Developer of an EPA-endorsed (and co-supported) method for U.S. DOE's Clean Cities and regional planning organizations to compute and secure air quality state implementation plan (SIP) credits for their acquisition of alternative fueled vehicles.
- Twenty years' training and experience in radiological emergency preparedness planning and modeling (two Emergency Management Institute certificates).
- Special project applications:
  - Operating agent for information exchange: International Energy Agency Implementing Agreement for Hybrid and Electric Vehicle Technologies and Policies (2005-present).
  - Evaluation Management for the *ADVANCE* Dynamic Vehicular Navigation Field Operations Test in metro Chicago (1995-96).
  - Development of an improved procedure for estimating monthly emissions of transportation source pollutants by vehicular category at the State level.
  - Development of unit risk rates for spent reactor fuel shipment, by truck and rail.
  - Real-time traffic network flow analysis for emergency public relocation.
  - Assembly and operation of a computer algorithm to generate and predict mobile-source air pollution levels from a regional traffic link or sketch planning database.
  - Characterization and projection of future personal vehicle stock distribution through use of a disaggregate household-based market model.
  - Prediction of total intercity freight flow by mode and shipment size in response to rate and level-of-service changes by means of a random utility model.
  - Atmospheric dispersion modeling.
- Chair of the Air and Waste Management Association's Transportation Issues Division (2001-2004) and 18-year member of the Transportation Research Board's Transportation and Air Quality Committee
- Author or coauthor of more than 100 articles and reports in journals, books, and conference proceedings.

Education

M. Phil., London School of Economics and Political Science (Marshall Scholar)
B.A., University of Kansas (*summa cum laude*)