

## VITA

### JOHN PAUL GALLAGHER

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#### EXPERIENCE

##### **Center for Transportation Research, Blacksburg, VA. 1996-1999.**

##### *IVIS In-Vehicle Information Systems Behavioral Model and Design Support*

The objective of this three-year project was to develop a behavioral model that predicted how the driver's use of a wide range of in-vehicle information systems (IVIS) affected the driving task. Attention demands were determined for operators, task analyses performed, performance measures developed, and recommendations generated for new system design and implementation.

##### *Investigation of Driver Performance with Unexpected Events When Using In-Vehicle Information System.*

Examination of Driver Performance When Using an In-Vehicle Signing and Information System.

These two field studies were sponsored by the Federal Highway Administration, results of research were used in the development of design guidelines for Advanced Traveler Information Systems (ATIS) and Commercial Vehicle Operations (CVO).

##### *Impact of Driver Fatigue on Local Short Haul Operations, and Design of Sleeper Berth*

*Compartment for Long Haul.* These two projects were sponsored by the Federal Highway Administration. A series of focus groups were conducted to understand the needs of user groups.

#### EDUCATION

Ph.D., Industrial Systems Engineering: Human Factors Engineering and Ergonomics, May 2001  
Virginia Polytechnic Institute and State University (Virginia Tech).

M.S., Industrial Systems Engineering: Management Systems Engineering. Virginia Tech

B.S., Industrial and Systems Engineering. Virginia Tech

NREMT-P, National Registry Paramedic Program. Tidewater Community College.

#### PUBLICATIONS

Gallagher, J.P. (2001). *An Assessment of the Attention Demand Associated with Processing of Information for In-vehicle Information Systems.* Unpublished Dissertation. Blacksburg, VA: Virginia Tech.

Gallagher, J.P. and Dingus, T.A. (1997). *Literature Review for Behavioral Model of In-vehicle Information Systems* (Technical Report). Blacksburg, VA: Center for Transportation Research, Virginia Tech.

Gallagher, J.P. (1994). *Training Manual for Emergency Medical System Providers.* Blacksburg, VA: Virginia Tech Rescue Squad.

Hanowski, R.J., Gallagher, J.P., Kieliszewski, C.A., Dingus, T.A., Biever, W., and Neale, V.L. (1997). *Development of Human Factors Guidelines for Advanced Traveler Information Systems and Commercial Vehicle Operations: Driver Response to Unexpected Situations When Using an In-vehicle Information System.* (Contract No. DTFH61-92-C-00102). Blacksburg, VA: Center for Transportation Research, Virginia Tech.

Hanowski, R.J., Dingus, T.A., Gallagher, J.P., and Kieliszewski, C.A. (1999). *Driver Response to Unexpected Situations when Using an In-vehicle Information System that Integrates an In-vehicle Signing Information System, an In-vehicle Routing and Navigation System, and an In-vehicle Safety Advisory and Warning System.* Transportation Human factors. 1(1), 91-106.