## References

- 1. Slotine, J-J.E., and Li, W. *Applied Nonlinear Control*, Prentice Hall, Englewood Cliffs, New Jersey, 1991.
- 2. "SveeSix-CM3 ™ Embedded GPS Core Module System Designer Reference Guide," GPS System Manual, Part Number 27378-00 Rev. B, Trimble, Sunnyvale, California, 1995.
- 3. Fancher, P., Bareket, Z., Sayer, J., Johnson, G., Ervin, R., Mefford, M., Fostering Development, Evaluation, and Deployment of Forward Crash Avoidance Systems (FOCAS), Annual Research Report ARR-5-15-95, NHTSA Contract No. DTNH22-94-Y-47016, The University of Michigan Transportation Research Institute, UMTRI-95-31, Ann Arbor, Michigan, May. 15, 1995.
- 4. Fancher, P., Bareket, Z., Sayer, J., MacAdam, C., Ervin, R., Mefford, M., Haugen, J., *Fostering Development, Evaluation, and Deployment of Forward Crash Avoidance Systems (FOCAS)*, Annual Research Report ARR-12-15-96, NHTSA Contract No. DTNH22-94-Y-47016, The University of Michigan Transportation Research Institute, UMTRI-96-44, Ann Arbor, Michigan Dec. 15, 1996.
- 5. Fancher, P.S., Bareket, Z., Bogard, S., MacAdam, C.C., and Ervin, R.D. *Tests Characterizing Performance of an Adaptive Cruise Control System*, Presented at the 1997 Society of Automotive Engineers International Congress and Exposition Detroit, Michigan, SAE Paper No. 970458.
- 6. Fancher, P., Ervin, R., Sayer, J., Hagan, M., Bogard, S., Bareket, Z., Mefford, M., Haugen, J., *Intelligent Cruise Control Field Operational Test (Interim Report)*Interim Report, NHTSA Contract No. DTNH22-95-H-07428, The University of Michigan Transportation Research Institute, UMTRI-97-11, Ann Arbor, Michigan March, 1997.
- 7. Fancher, P., Bareket, Z., "Evaluating Headway Control Using Range Versus Range-Rate Relationships," *Vehicle System Dynamics*, Vol. 28, No. 8, 1994, pp. 575-596.
- 8. Fancher, P., Sayer, J., Bareket, Z., A Comparison of Manual Versus Automatic Control of Headway as a Function of Driver Characteristics, 3rd Annual World Congress on Intelligent Transport System, Orlando, Florida, October 14-18, 1996.
- 9. Tufte, E.R., *The Visual Display of Quantitative Information*, Graphics Press, Cheshire, Connecticut, 1995.
- Rasmussen, J., "Skills, Rules, and Knowledge; Signals, Signs, and Symbols, and Other Distinctions in Human Performance Modes," *IEEE Transactions on Systems, Man, and Cybernetics*, Vol. SMC-13, No. 3, May/June 1983, pp. 257-266.
- 11. Hoffman, E., and Mortimer, R., "Scaling of Relative Velocity Between Vehicles," *Accident Analysis and Prevention*, Vol. 28, No. 4, July 1996, pp. 415-421.

- 12. Fancher, P., Ervin, R., and Bogard, S., "A Field Operational test of Adaptive Cruise Control: System Operability in Naturalistic Use", Presented at the 1998 Society of Automotive Engineers International Congress and Exposition Detroit, Michigan, SAE Paper No. 980852.
- 13. Fancher, P., and Bareket, Z., "An Evolving Model For Studying Driver/Vehicle System Performance in the Longitudinal Control of Headway," to be published in the forthcoming Transportation Research Board (TRB) Record series *Driver and Vehicle Modeling*, 1998.
- 14. Ervin, R., Nagarajan, A., and Argalas, E., "Adaptive Cruise Control: An Industry Outlook on Product Features and Marketing", Final Report, Sponsored by US Department of Transportation, Washington, D.C., The University of Michigan Transportation Research Institute, UMTRI-97-38, Ann Arbor, Michigan, 1997.
- 15. "Road Vehicles Adaptive Cruise Control Systems Performance Requirements and Tests Procedure," Working Draft of the International Organization for Standardization (ISO), ISO/TC204/WG14/N143.8, Feb. 1998.
- 16. Wiedemann, R., "Simulation des Straßenverkehrsflusses," Schriftenreihe des Instituts für Verkehrswesen der Universität Karlsruhe, H. 8, 1974

- 2. "Test Definition and Project Plan," delivered to NHTSA as part of the project entitled *Intelligent Cruise Control Field Operational Test*, DTNH22-95-H-07428, The University of Michigan Transportation Research Institute, Ann Arbor, Michigan Feb. 29, 1996.
- 3. "Operational Test Plan," delivered to NHTSA as part of the project entitled *Intelligent Cruise Control Field Operational Test*, DTNH22-95-H-07428, The University of Michigan Transportation Research Institute, Ann Arbor, Michigan June, 1996.

