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UNMANNED GROUND VEHICLE

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David M. Bevly is currently an assistant professor in the department of mechanical engineering at Auburn University where he joined the faculty in August 2001. Bevly's research focuses on vehicle dynamics, as well as modeling and control of vehicle systems.

Bevly directs Auburn University's GPS and Vehicle Dynamics Laboratory (GAVLAB) which focuses on the control and navigation of vehicles using GPS in conjunction with other sensors, such as Inertial Navigation System (INS) sensors. The laboratory has several research thrusts including: sensor fusion/integration, online system identification, adaptive and robust control algorithms, and vehicle state and parameter estimation. These research thrusts are focused toward vehicle dynamics and transportation systems, including heavy trucks, passenger cars and off-road vehicles, as well as autonomous and unmanned vehicles.

Bevly is an active member in many associations, including: the American Society of Mechanical Engineers, the Institute of Navigation, the Association of Unmanned Vehicle Systems International and the Society of Automotive Engineers. He also has been published in the *AIAA Journal of Guidance*; *Journal of Navigation*; *Vehicle System Dynamics*; *Journal of Dynamic Systems, Measurement and Control*; and the *IEEE Transaction on Industrial Electronics*.

Bevly received his bachelor's degree from Texas A&M University in 1995, his master's degree from Massachusetts Institute of Technology in 1997 and his doctorate in mechanical engineering from Stanford University in 2001.

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