上海交通大学自动化系
Department of Automation, Shanghai Jiao Tong University

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Research Field

Localization, perception, navigation and control of intelligent vehicles, and its application in autonomous driving, assist driving, and cooperative driving.

Education

1999.09 - 2002.12, Ph.D.
in the Department of Computer Science and Technology, Tsinghua University, Beijing, China

1997.09 - 1999.07, M.S.
in the Department of Computer Science and Technology, Tsinghua University, Beijing, China

1993.09 - 1997.07, B.S.
in the Department of Automation, Huazhong University of Science and Technology, Wuhan, China

Work experience

2011.12 till now , Professor
in the Department of Automation, Shanghai Jiao Tong University, China

2005.07 - 2011.12, Associate Professor
in the Department of Automation, Shanghai Jiao Tong University, China

2003.05 - 2005.06, Postdoc
in the IMARA Group, INRIA, France

Publications

1. Tingkai XIA, Ming YANG, Ruqing YANG, CyberC3: A Prototype Cybernetic Transportation System for Urban Applications, IEEE Transactions on Intelligent Transportation Systems, Jan. 2010, 11(1):142-152

2. Ming Yang, Nianfeng Wan, Bing Wang, Chunxiang Wang, Jianping Xie, CyberTORCS: An Intelligent Vehicles Simulation Platform for Cooperative Driving, International Journal of Computational Intelligence Systems, May 2011, 4(3):378-385

3. Hui FANG, Ming YANG, Ruqing YANG, Chunxiang WANG, Ground Texture Based Localization for Intelligent Vehicles, IEEE Transactions on Intelligent Transportation Systems, Sep. 2009, 10(3):463-468

4. Feng-hui WANG，Ming YANG，Ru-qing YANG, Conflict-Probability-Estimation-Based Overtaking for Intelligent Vehicles, IEEE Transactions on Intelligent Transportation Systems, June 2009, 10(2):366-370

5. Hai-Gui Xu, Ming Yang, Chun-Xiang Wang, and Ru-Qing Yang, Magnetic Sensing System Design for Intelligent Vehicle Guidance, IEEE/ASME Transactions on Mechatronics, Aug. 2010, 15(4):652-656

6. Ming YANG, Chunxiang WANG, Fang Chen, Bing WANG, Hao LI, A New Approach to High-accuracy Road Orthophoto Mapping Based on Wavelet Transform, International Journal of Computational Intelligence Systems, Dec. 2011, 4(6):1367-1374

7. Feng-hui WANG，Ming YANG，Ru-qing YANG, The Intelligent Vehicle Coordination of the Cybernetic Transportation System, International Journal of Advanced Robotic Systems, March 2009, 6(1):53-58

8. Ming YANG, Chunxiang WANG, Hui FANG, Bing WANG, Laser Radar based Vehicle Localization in GPS Signal Blocked Areas, International Journal of Computational Intelligence Systems, Dec. 2011, 4(6):1100-1109

9. Feng-hui WANG，Ming YANG，Ru-qing YANG, Simulation of Multi-Agent based Cybernetic Transportation System, Simulation Modelling Practice and Theory, Nov. 2008, 16(10):1606-1614

10. Haigui Xu, Chunxiang Wang, Ming Yang, Ruqing Yang, Position estimation for intelligent vehicles using an unscented Kalman filter, International Journal of Vehicle Autonomous Systems, Jan. 2008, 6(1/2):186-194