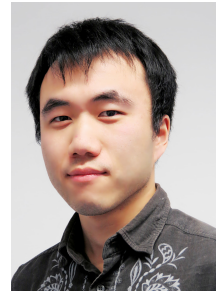


Dr. Yuyi Liu



Background

- Since 10/2013: PhD candidate/Research assistant at the Chair of Cognitive Systems, Department of Computer Science, University of Tübingen and in the Autonomous Robotics and Human Machine Systems group, the Max Planck Institute for Biological Cybernetics
- 2013: Research stay at the Optimization in Engineering Center and Department of Electrical Engineering, KU Leuven, Belgium
- 2012: Research stay at the Control and Power Group, Department of Electrical and Electronic Engineering, Imperial College London, UK
- 2011 - 2012: Master studies in Aeronautical Engineering: Advanced Computational Methods for Aeronautics, Flow Management and Fluid Structure Interaction, at the Department of Aeronautics, Imperial College London, UK
- 2010 - 2011: Undergraduate studies in Mechanical Engineering, at the Department of Mechanical Engineering, University of Birmingham, UK
- 2007 - 2010: Undergraduate studies in Theoretical and Applied Mechanics, at the Department of Mechanics and Engineering, Fudan University, China

Research Interests

- Robust Model Predictive Control
- Nonlinear Control
- Trajectory Generation
- Unmanned Aerial Vehicles and Flying Robots

Current Projects

- Robust Control for Flying Robots Aggressive Maneuvers
- Control and Trajectory Planning for Flying Robots Obstacle Avoidance
- Formation Control for Unmanned Aerial Vehicles

Publications

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