

## Publication list of Mario Micheli

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### Preprints on the Geometry of Shape

M. Micheli. *Bounds on Sectional Curvature by solving a Generalized Eigenvalue Problem; the case of one-dimensional Landmarks*. Unpublished Technical Report, Division of Applied Mathematics, Brown University, November 2007.

M. Micheli. *Notes on the Riemannian Curvature Tensor*. Unpublished Technical Report, Division of Applied Mathematics, Brown University, June 2006.

### Journal Publications

E. Cinquemani and M. Micheli. State Estimation in Stochastic Hybrid Systems with Sparse Observations. *IEEE Trans. on Automatic Control*, 51(8):1337-1342, August 2006.

### Conference Publications

E. Cinquemani, M. Micheli, and G. Picci. Fault Detection in a Class of Stochastic Hybrid Systems. *Proc. of the 43rd IEEE Conference on Decision and Control (CDC 2004)*, Atlantis, Paradise Island, Bahamas, December 2004.

E. Cinquemani, M. Micheli, and G. Picci. State Estimation and Prediction in a Class of Stochastic Hybrid Systems. *Proc. of the 16th International Symposium on the Mathematical Theory of Networks and Systems (MTNS 2004)*, Katholieke Universiteit Leuven, Belgium, July 2004.

M. Micheli and M. I. Jordan. Random Sampling of a Continuous-time Stochastic Dynamical System. *Proc. of the 15th Int. Symposium on the Mathematical Theory of Networks and Systems (MTNS 2002)*, U. of Notre Dame, South Bend IN, Aug. 2002.

B. Sinopoli, M. Micheli, G. Donato, and T. John Koo. Vision Based Navigation for an Unmanned Aerial Vehicle. *Proc. of the IEEE International Conference on Robotics and Automation (ICRA 2001)*, Seoul, Korea, 2001.

### Technical Reports

M. Micheli. *A Probabilistic Approach to Motion Field Recovery*. Unpublished Technical Report, Automatic Control Group, Department of Information Engineering, University of Padova (Italy), January 2003.

### Theses

M. Micheli. *Random Sampling of Continuous-time Stochastic Dynamical Systems: Analysis, State Estimation, and Applications*. Master's Thesis, Department of Electrical Engineering and Computer Sciences, UC Berkeley. May 2001.

M. Micheli. *A Probabilistic Approach to Three-dimensional Autonomous Navigation*. Laurea Thesis, Department of Information Engineering, University of Padova, Italy. December 1999.

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