

IMS Researcher Profile

Institution: Missouri S&T

Name: Qinmin Yang

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Expertise: control design, nano-manipulation, fault accommodation

Dissertation/Thesis Topics:

Project 1: Fault Accommodation Strategies

- Development of a reconfigurable control methodology
- Application of fault accommodation technique to pump system

Skills: C/C++, Matlab, Simulink

Previous Background:

- PhD (2007) in electrical Engineering, University of Missouri-Rolla

Publications:

- Q. Yang, J. Vance and S. Jagannathan, "Neural network control of nonaffine nonlinear discrete-time systems", IEEE Transactions on Systems, Man and Cybernetics: Part B, accepted for publication, to appear in August 2008.
- Q. Yang, S. Jagannathan and E. Bohanan, "Automatic drift compensation using phase-correlation method for nanomanipulation", IEEE Transactions on Nanotechnology, vol. 7, 2008.