

Poster Presentations

Fluid Mechanics

- *Nearfield Instability Characterization for Transverse Jet Control*, Sevan Megerian, Marcus George, Rebekah Tanimoto, Priya Sheth, Jeremy Ma, R. T. M'Closkey, and A. R. Karagozian.
- *Numerical Simulations of Pulse Detonation Engines*, Xing He and A. R. Karagozian.
- *Stability Analysis and Numerical Simulation of Jets in Crossflow*, Leonardo Alves, R. E. Kelly, and A. R. Karagozian.
- *Hydrogen/Helium Leak Detection at Elevated Pressures and Reduced Temperatures*, Lauren Gleason, Caesar Mak, O. I. Smith, and A. R. Karagozian.
- *Microgravity and Normal Gravity Droplet Combustion under Acoustical Excitation*, Srinivasan Dattarajan, Jeremy Ma, Andy Lutomirski, O. I. Smith, and A. R. Karagozian.
- *Numerical Study of Two-Phase Flows in Microchannels Using the Level Set Method*, Mahidhar Tatineni and Xiaolin Zhong

Systems and Control

- *Fabrication And Control of EVIC-111 Camless Engines*, Greg Glenn, James Sharp, David Bowes, and Tsu-Chin Tsao.
- *Control and Design of Fast Tool Servos for Precision Machining*, Jim Lin, Jason Wilson, and Tsu-Chin Tsao.
- *Adaptive Control of Computer Hard Disk Read-Write Heads*, Krishnamoorthy Kalyanam and Tsu-Chin Tsao.
- *Variable Speed Electronic Cams - Repetitive Control of Linear Time Varying Systems*, Junqing Wang and Tsu-Chin Tsao.

MEMS/Nano-Technology

Heat and Mass Transfer

- *Numerical study of fluid flow and heat transfer in a microchannel with nano-structured surface*, K. Leo Hwang.
- *Design and fabrication of devices for characterizing thermal transport properties of nano-scale thin films*, Ming-Tsung Hung and Y. Sungtaek Ju

Manufacturing and Design