

MAE Praxair Seminar

“Robust Vibration Control of Quiescent-to-Quiescent Maneuvers of Flexible Structures subject to Structured Uncertainties”

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ABSTRACT

Systems such as the James Webb Space Telescope, the replacement of the Hubble telescope, and the Millipede (next generation storage device) are characterized by vibrations excited by the motion of the structure. These vibrations can negatively influence the performance of the system. This talk will focus on simple algorithms to minimize residual vibrations at the end of a maneuver in the presence of uncertainties in the dynamic model of the system.

**206 Furnas Hall
Thursday, February 10, 2005
Refreshments – 3:00 pm
Seminar 3:30 pm – 4:30 pm**