

h 25, 1999

Glennan Microsystems Initia

Microscale Particulate Classifier (MiPaC)

Project Strengths:

- Device physics and data analysis well understood
- Team represents identified world leaders in the development and application of electrical mobility classifiers (Testing facilities provided by NIST and U of M)
- Mesh with GMI charter
 - Relevance to ongoing programmatic interests of NASA (HEDS and INSITU applications → severe environments)
 - Fundamental research interests of NASA/NIST
 - Direct environmental interests of EPA/NIH
 - Enormous commercial significance
- Full-time design and fabrication engineer
 - Recently completed sabbatical on-site at CWRU MEMS Fabrication Laboratory

⇒ DELIVERY AND DEMONSTRATION OF WORKING MICROSCALE DEVICE

Resource requirements and cost/phasing schedule:

