Microshutters for James Web Space Telescope (JWST)

Spectrographic astronomy measurements in the near-infrared region will be done by functional two-dimensional microshutter arrays that are being fabricated at the NASA Goddard Space Flight Center for the James Webb Space Telescope (JWST). These microshutter arrays will represent the first mission-critical MFMS device to be flown in space. JWST will use microshutter arrays to select focal plane object. 2-D programmable aperture mask of more than 200,000 elements that will be flown in space, JWST will be used to investigate any change of the degree of bowing as a result of exposure to the space environment during the life of the JWST mission.

The minimum release voltage measurements were done by summer intern, John Yamrick and his advisor, James C. M. Hwang, M.D. Professor of Electrical Engineering, Director of Compound Semiconductor Technology Laboratory, Lehigh University. The work was also supported by Bob Silverberg and Stephanie Getty.
The MEMS Alliance
Mid Atlantic Area

2008 Symposium Information

The Mid Atlantic MEMS Alliance
9TH ANNUAL SPECIAL TOPICS SYMPOSIUM
TECHNOLOGY PULL
MONDAY, NOVEMBER 24, 2008

Online Registration is now Open!

Registration Form [PDF]

Registration forms may be emailed to
Trisha Prettyman at Trisha.Prettyman@jhuapl.edu
or faxed to 443-778-5850, Attn: Trisha Prettyman / MASA.

REGISTRATION FEES:

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*Poster presenters will receive up to 1 free student registration for each accepted poster

See Student Poster Presentation Rules.