

Workshop on Innovative Designs for the Next Large Aperture UV/Optical Telescope
Space Telescope Science Institute, Auditorium
Thursday, April 10, 2003

8:30 – 9:00 TEA, COFFEE, PASTRIES

9:00 – 9:10	Bill Oegerle	NASA/GSFC	<i>Introduction</i>
9:10 – 9:30	Harley Thronson	NASA/GSFC	<i>The NASA Technology Program: Investing in Technologies for Future Large Space Observatories</i>
9:30 – 10:00	Bob Woodruff	Lockheed Martin	<i>Design Concepts for Future Large Aperture Wide Field of View UVIS Optical Systems</i>
10:00 – 10:25	Steve Kilston	Ball Aerospace	<i>NHST in Context: Future Steps to Large Optical Space Observatories 2010-2050</i>

10:25 – 11:15 COFFEE AND GENERAL DISCUSSION

11:15 – 11:35	Martin Levine	JPL	<i>The Nulling Coronagraph – Using a Nulling Interferometer for Planet Detection in Vis. Single Aperture Telescope</i>
11:35 – 11:55	Jerry Edelstein	UC Berkeley	<i>Spectral Interferometry for Broadband UVO Missions</i>
11:55 – 12:15	Jim Green	University of Colorado	<i>Enabling Technologies for the Next Generation of UV-Optical Missions</i>

12:15 – 1:45 LUNCH

1:45 – 2:05	Chas Beichman	JPL	<i>TPF Overview and Current Status</i>
2:05 – 2:25	Mark Clampin	NASA/GSFC	<i>Wavefront Sensing Correction</i>
2:25 – 2:50	Mark Ealey	Xinetics	<i>Deformable Mirror Technology</i>
2:50 – 3:10	John Trauger	JPL	<i>Measured Characteristics of Xinetic Mirrors</i>
3:10 – 3:30	Erik Wilkinson	University of Colorado	<i>Holographic Grating Design – Capabilities and Uses</i>

3:30 – 4:30 COFFEE AND GENERAL DISCUSSION

4:30 – 4:50	Blas Cabrera	Stanford	<i>Advances in Superconducting Devices</i>
4:50 – 5:20	Bedabrata Pain	JPL	<i>CMOS Devices</i>
5:20 – 5:40	Jonas Zmuidzinas	Caltech	<i>Kinetic Inductance Detectors</i>

Workshop on Innovative Designs for the Next Large Aperture UV/Optical Telescope
Space Telescope Science Institute, Auditorium
Friday, April 11, 2003

8:00 – 8:30 TEA, COFFEE, PASTRIES

8:30 – 9:40	Gary Matthews	Kodak	<i>Kodak Mirror Technologies</i>
9:40 – 10:00	Steve Beckwith	STScI	<i>Future Science Programs</i>
10:00 – 10:20	Dave Content	NASA/GSFC	<i>Development Of Silicon Foam Mirrors</i>
10:20 – 10:40	Ritva Keski-Kuna	NASA/GSFC	<i>Reaction-Bonded Silicon Carbide Mirrors</i>

10:40 – 11:30 COFFEE AND GENERAL DISCUSSION

11:30 – 11:50	Oswald Siegmund	UC Berkeley	<i>High Performance MCP Detectors for UVO Astrophysics</i>
11:50 – 12:10	Shouleh Nikzad	JPL	<i>Solid State UV Detectors</i>
12:10 – 12:30	Bernie Rauscher	STScI	<i>Large Format UV-Optical Hybrid Sensors: Si PIN Diodes and Related Technologies</i>

12:30 – 1:30 LUNCH

1:30 – 1:50	William B. Whiddon	Northrop Grumman	<i>A JWST Derivative Design for the Next Large Aperture UV/Optical Telescope</i>
1:50 – 2:10	Charles F. Lillie	Northrop Grumman	<i>A Large Aperture Deployable Telescope for the Next UV/Optical Telescope (NHST) Mission</i>
2:10 – 2:35	Rud Moe	NASA/GSFC	<i>In-Space Construction of Telescopes</i>
2:35 – 3:05	Warren Moos	JHU	<i>Using the ISS to Assemble a Very Large Telescope</i>
3:05 – 3:35	David Miller	MIT	<i>Robotic Construction of Large Telescopes</i>

3:35 – 4:00 COFFEE AND GENERAL DISCUSSION

4:00 p.m. End of Meeting