

Mirror Development Technology Days 2017 In the Government

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Purpose of Tech Days

Mirror Technology is critical for NASA & DoD missions.

Topics discussed enable missions for next 10 to 20 yrs.

Tech Days has two Goals:

How are we Spending the Taxpayer's money

- 1. Is the Government Investing the Taxpayer's money wisely Are we funding 5 good ideas or 1 good idea 5 times?
- 2. Are we getting good value for our investment?
- 3. How can we coordinate our activities to maximize the efficacy of our investments.

Provide a networking opportunity for Vendors and Government.



Thank You and Acknowledgements

Organizing Committee

Peter Blake, NASA Goddard Space Flight Center David Broadway, Marshall Space Flight Center Brendan Crill, Jet Propulsion Laboratory Ron Eng, NASA Marshall Space Flight Center Carol R. Lewis, Jet Propulsion Laboratory Lewis Roberts, Jet Propulsion Laboratory Ron Shiri, NASA Goddard Space Flight Center Nick Siegler, Jet Propulsion Laboratory H. Philip Stahl, NASA Marshall Space Flight Center

Northrop:

Martin Hagenbuechle Chareles Atkinson Jon Arenberg Albert Conti Martin Seilonen Scott Texter

OSSC: Scott Rowe Bo Wang

<u>SPIE</u>

Marilyn Gorsuch Jeff Braswell Michelle Kronlund



https://optics.msfc.nasa.gov/content/tech-days-2016





Information & Announcements

Important Information

Coffee Breaks, Lunch and Receptions Photograph – Tues before afternoon coffee break Reception: 'heavy horderves' & drink tickets 1 'free' drink ticket per person extra drinks ticket cost

Announcements

SPIE Email List Management & DistributionITAR SessionsPublic Release ApprovalsAny Agenda ChangesExhibitorsSponsors



Tech Days 2018

Because of the JWST launch delay, we believe that JWST will be at Northrop in November 2018.

Do we want to come back to Redondo Beach?

Do we want to come back to Northrop or go to a Hotel?

A hotel will cost more.



Tech Day Reserve Fund

Reserve Fund has two functions: Backstop Meeting Financial Risk – (approximately \$40,000) Altruistic Activities

2016 Altruism:

\$ 1540 National Capital Section of OSA.
\$ 1000 Best Optics Science Fair Project Student Awards
\$ No North Alabama Optics Apprenticeship Program

Combining Tech Days 2016 with financial performance (from a rising stock market), the Reserve Fund increased \$16,500

We are talking with SPIE about taking our Apprenticeship Program national. SPIE will match our contribution 1:1.

NASA

2017 Alabama State Science & Engineering Fair

Senior Division

- 1st Award (\$250): Sofie Guo, 11th Grade; "Gold Nanodisk Plasmonic Biochemical Sensors for Food Safety Monitoring" (2016 NAOA Intern)
- 2nd Award (\$150): Tucker Edison Honeycutt, 9th Grade; "Astronomical Image Processing"
- 3rd Award (\$100): Catherine Blevins, 9th Grade; "Interpreting Light: Exploring the Emission Spectrum"





2017 Alabama State Science & Engineering Fair

Junior Division

- 1st Award (\$150): Hannah Patterson, 8th Grade, "Algebraic Hot Spots"
- 2nd Award (\$100): Zachary Nameniuk, 8th Grade, "Dye'n for Blue"
- 2nd Award (\$100): Andrew Crocker, 5th Grade, "Stealthy Shapes"
- 3rd Award (\$50): Javon Zion Jennings, 6th Grade, "Solar Revolution: usiong the Sun for a more efficient solar cooker"





2016 North Alabama Science & Engineering Fair

Senior Division

- 1st Award (\$250): Sophie Guo, 11th Grade;
 "Fiber Optics Nanoplasmonic Biochemical Sensor for Food Safety Monitoring"
- 2nd Award (\$150): Therese Breithaupt, 10th Grade; "Helping Hands"
- 3rd Award (\$50): Tucker Honeycutt, 10th Grade; "Astronomical Image Processing"

Junior Division

- 1st Award (\$150): Miles Thompson, 8th Grade,
 "Making Rainbows"
- 2nd Award (\$100): Javon Jennings, 6th Grade,
 "Solar Revolution"
- 3rd Award (\$50): Elena Tetrault, 8th Grade,
 "Building a better Robot"
- 3rd Award (\$500): Wyatt Smith, 7th Grade,
 "Fluorescent Quantum Dot Solar Cells"
- 3rd Award (\$50): Avani Singireddy, 7th Grade, "Photochemistry"





Thank You