

Up To Date

NASA IV&V Facility Educator Resource Center Newsletter

January, 2009

Volume 1, Issue 6

NASA IV&V Facility ERC

NASA Updates: Hubble and Mars Mission

NASA Sets Target Shuttle Launch Date for Hubble Servicing Mission



NASA announced that space shuttle Atlantis' STS-125 mission to repair the Hubble Space Telescope is targeted to launch May 12, 2009.

The final servicing mission to Hubble was delayed when a data handling unit on the telescope failed. Since then, engineers have been working to prepare a spare for flight.

Hubble complete article:
http://www.nasa.gov/home/hqnews/2008/dec/HQ_08-320_Hubble_May2009.html



Mars Mission Rescheduled

NASA's Mars Science Laboratory will send a next-generation rover with research tools to study the early environmental history of

Mars. Its launch has been delayed from October 2009 to the fall of 2011.

A launch date of October 2009 no longer is feasible and the next launch window is 2011 because the relative positions of Earth and Mars are favorable for flights only a few weeks every two years.

Mars Mission complete article:
http://www.nasa.gov/home/hqnews/2008/dec/HQ_08-319_MSL_2011.html

Important Dates:

Jan 15 (Under Review)
OCO - Orbital Sciences
Taurus Rocket

Jan 19 Robotics
Workshop at ERC

Jan 24 Night Sky
in the Day Time
Workshop at ERC

Jan 28 Line Up w/ Math
Workshop at ERC

Feb 4
NOAA-N Prime - United
Launch Alliance Delta II

Free NSTA Web Casts

Each from 6:30-8:00.
Visit <http://learningcenter.nsta.org/products/webseminars.aspx> for more information.

Jan 8 Science Careers

Jan 14 Toshiba/NSTA
Exploring Vision Awards

Jan 15 Force and Motion

Jan 20 International Year
of Astronomy

Jan 21 The NSTA Learning
Center—Focus on Teachers

Jan 22 Designing Lessons
Using the 5-E's

Upcoming Workshops

Jan 19, **Robotics**, 10:00-4:00
Educators will learn to use
LEGO NXT Robots to teach
science and math concepts.
Completion of this workshop
certifies educators to use our
Robotics Kit, including 6 ro-
bots and laptops with software.

Jan 24, **Night Sky in the Day
Time**, 9:00-12:00,
Educators of grades K-8 will
learn hands on activities and
become certified to use the
STARLAB portable planetarium
to teach astronomy concepts in
their educational setting.

Jan 28, **Line Up with Math**,
6:00-8:00
Educators of grades 5-12 will
experience this web-based
Air Traffic Control Simulator
and the distance-rate-time
problems to enhance learners'
decision-making and
proportional reasoning skills.

February Workshops:

Feb 10, **ISS—What's Up**,
6:00-8:00
Educators of grades 3-8 will
learn how astronauts live and
work in space.

Feb 16, **Energy Series: Wind**,
10:00-3:00, Educators of grades
5-12 will learn activities to
dispel myths about wind energy
and electricity.

Feb 26, **Weather Projects**,
6:00-8:00 Learn hands on
ways for students of grades
3-8 to interact with weather
concepts indoors.

Feb 28, **Advanced Rocketry**,
10:00-4:00 Educators of grades
5-12 will design and build model
rockets and use RockSim
software (receive free trail).

Don't forget to register for these great free workshop at least one week in advance!

NASA IV&V Facility ERC

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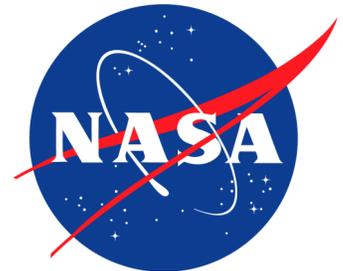
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We're on the web!

<http://erc.ivv.nasa.gov>

Submit story ideas and
pictures to
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The NASA Independent Verification and Validation Facility Educator Resource Center's goal is to serve teachers, informal educators, and preservice teachers to enable them to reach their goals. Through a grant with Fairmont State University, the NASA IV&V Facility ERC provides materials, equipment for loan, and professional development workshops both at the facility and around the state of West Virginia (scheduled upon request) for educators that reflect NASA's current research and technology.



Independent Verification
& Validation Facility

Where in WV is the NASA IV&V Facility ERC?

- ◆ Dec Equipment Loan
- ◆ Dec Workshops
- ◆ Dec Video Conferencing
- 2008-2009 Equipment Loan
- 2008-2009 Workshop
- 2008-2009 Video Conferencing

