
Update and Priorities

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National Picture

- President's agenda.
- Transition team.
- OSTP.
- Department of Commerce.

The screenshot shows the White House website's agenda page. At the top, the navigation bar includes "the WHITE HOUSE PRESIDENT BARACK OBAMA" and "THE WHITE HOUSE WASHINGTON". Below this, a menu lists "the BRIEFING ROOM", "the AGENDA", "the ADMINISTRATION", "ABOUT the WHITE HOUSE", "our GOVERNMENT", and "CONTACT us". The main content area features a large blue banner with the text "REVITALIZING THE ECONOMY" and a sub-headline: "In a speech at University, President Obama explains how the American Recovery and Reinvestment Plan will work." Below this is a "READ the PRESIDENT'S REMARKS" button and a "MORE FEATURES" section with numbered buttons 1, 2, 3, and 4. To the right of the banner is a photograph of President Obama and a man in a blue shirt. Below the banner is a "THE BLOG" section with three entries: "President Barack Obama's Inaugural Address" (dated WED, JANUARY 21, 1:27 PM EST), "A National Day of Renewal and Reconciliation" (dated TUE, JANUARY 20, 2:15 PM EST), and "Change has come to WhiteHouse.gov" (dated TUE, JANUARY 20, 12:01 PM EST). To the right of the blog is a "SEARCH THE SITE" section with a search box and a "SEARCH" button. Below the search box is an "AGENDA" section with three items: "Economy" (with a link to "Read the President's economic agenda."), "Energy & the Environment" (with a link to "Read the President's agenda on energy & the environment."), and "More Issues" (with a link to "Read the President's entire agenda."). On the far right is a "WHISTLESTOP TRAIN TOUR" section with a photograph of President Obama and a "WATCH NOW" button.

www.whitehouse.gov/agenda

NIST Addresses National Priorities

	Priorities in President Obama's Agenda				
NIST Investment Priority Areas	Economy	Technology	Energy and Environment	Homeland Security	Defense
Energy	●	●	●		
Environment	●	●	●		
Manufacturing	●	●	●	●	●
Health Care		●		●	
Infrastructure	●	●	●	●	
Information Technology	●	●		●	●

More to come on planning....

NIST Annual Awards Ceremony



- NIST Awards and major external awards.
- December 3, 2008 Gaithersburg.
 - Senator Barbara Mikulski.
- December 11, 2008 Boulder.

Construction Grants Awarded

FY2008 Appropriation: \$30 million for cost-shared support to universities for new research facilities.

UC – Berkeley: Center for Integrated Precision and Quantum Measurement, \$10.9 million.



UC – San Diego, Scripps Institution of Oceanography: Marine Ecosystems Sensing, Observation, and Modeling Laboratory, \$12.0 million.

University of Florida: Aquatic Animal Health Facility, \$1.3 million.
Expansion of planned Aquatic Pathobiology Laboratory.

2008 Malcolm Baldrige National Quality Awards



Cargill Corn Milling
Wayzata, Minnesota
Manufacturing

Poudre Valley Health System
Ft. Collins, Colorado
Health Care



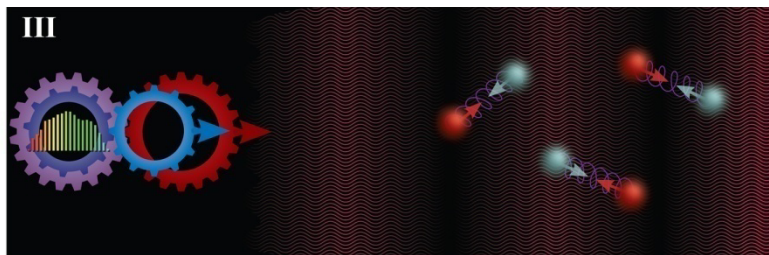
Iredell-Statesville Schools
Statesville, North Carolina
Education

Technology Innovation Program

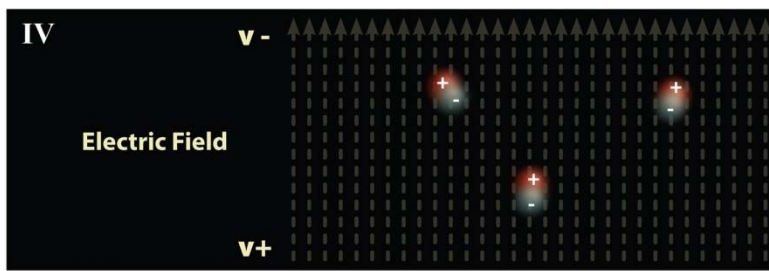
- Promote innovation through high-risk, high-reward research in areas of critical national need.
- Awards from first competition to develop monitoring and inspection technologies for roads, highways, bridges, water systems.
 - More than 1/3 of nation's 600,000 bridges rated deficient or obsolete.
 - \$54 billion annual cost to motorists in repairs due to poor road conditions.
- Nine awards.
 - 7 joint ventures.
 - 4 joint ventures led by universities.
 - 2 single applicants.
 - 35 total participating organizations.
 - Total TIP funding (up to 5 years): \$42.5M
 - Total cost-share: \$45.6M
 - Award size: \$1.25M to \$9M
- Novel optical, acoustic, radar, and other sensing systems.



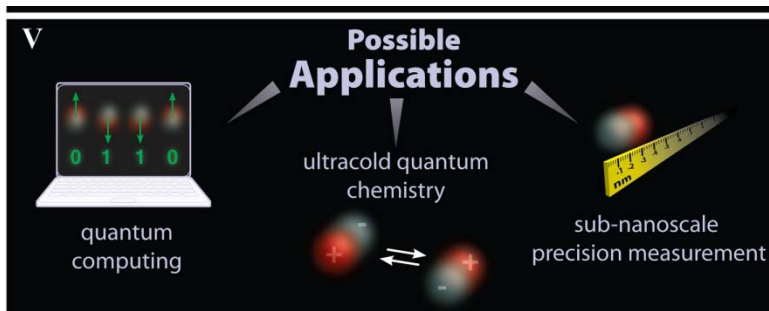
Ultracold Molecules – Top Ten Physics Story 2008



World's first production of ultracold polar molecules.
Relies on frequency combs (2005 NIST Nobel Prize to Jan Hall).



Positively charged rubidium and negatively charged potassium. Easily manipulated by electric fields.



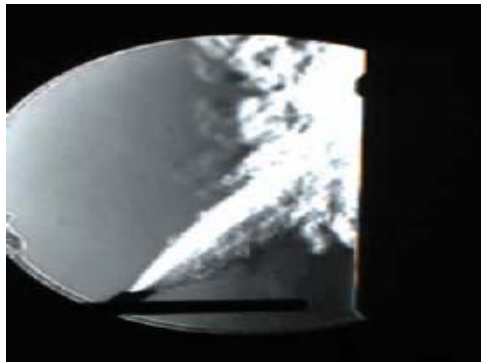
Top Ten Physics Story – American Institute of Physics.
JILA in Boulder, CO.
Continuing NIST leadership in ultracold matter for research and measurements.

Tours: What You Will See Today

- Center for Nanoscale Science and Technology NanoFab
Dr. Bob Celotta and Mr. Vince Luciani
NIST Center for Nanoscale Science and Technology (CNST)
 - National facility for nanoscale fabrication and measurement.

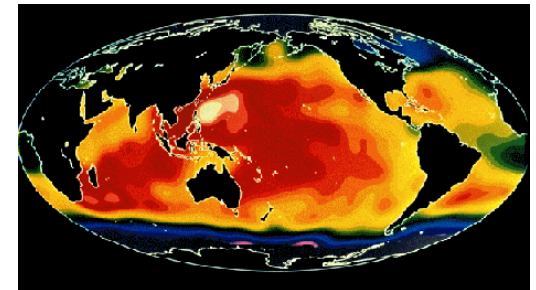


Robert Ratine



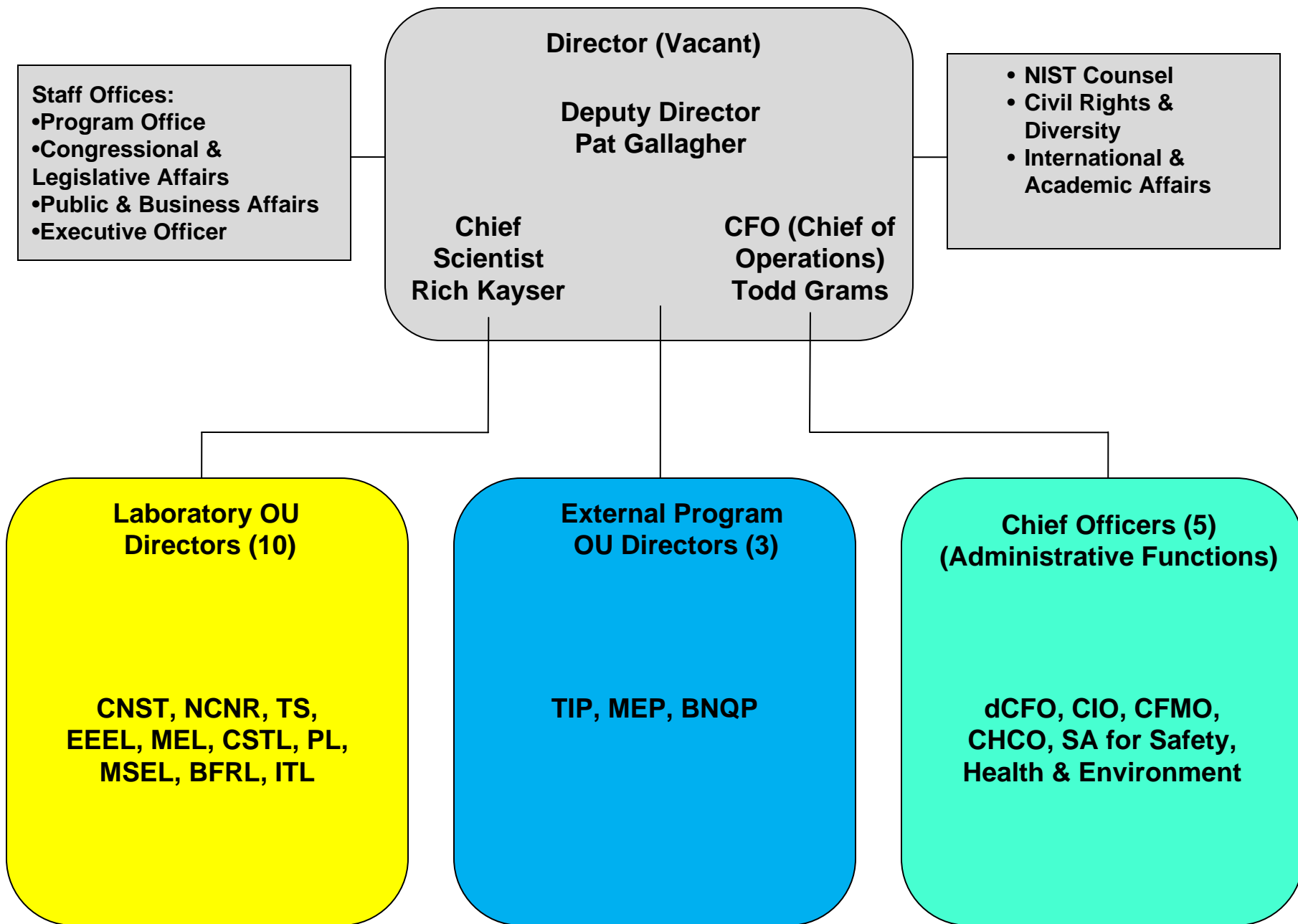
- Measurements and Standards for Detecting Trace Explosives
Dr. Greg Gillen
Surface and Microanalysis Science Division, Chemical Science and Technology Laboratory
 - NIST measurements to ensure performance of detection systems for security in airports and public buildings.

- NIST's Roles in Ensuring Accurate Climate Measurements
Dr. Gerald Fraser
Optical Technology Division, Physics Laboratory
 - NIST measurements to ensure the accuracy and reliability of remote sensing data for climate monitoring



NIST Management Priorities

- 1) **Leadership** - To improve our management systems, operations, and leadership to allow the organization to be as effective and efficient as possible.
- 2) **Safety** - To strengthen our safety program and to actively foster a culture where safety is expected to be an integral part of our work.
- 3) **Positioning NIST** - To ensure that NIST is on key policy makers' radar screens in discussions about and actions to address the nation's innovation and competitiveness needs.



Leadership

- Moved EEEL OU Director position to Boulder, CO.
- Assigned Kent Rochford (EEEL) as acting EEEL Director.
- Recruitment underway for new Boulder Site Manager position.
- Development of a management agenda.

Safety

Foundations:

- Leadership.
- Participation.
- Professional safety support.

Phased approach...

Boulder update....

Activities:

- Safety foundations.
- Benchmarking.
- Safety priorities.
 - Training.
 - Hazard ID.
- Defining safety management system.
- Key safety hires.

Positioning NIST

- Improvements to planning and execution.
- Clarifying agency roles.
- Transition team.
- Administration.
- Congress.
- Key stakeholders.

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...VCAT role is critical.

Budget Outlook

Unusually complex and fluid budget situation:

- Still do not have a current budget: FY2009 Continuing Resolution.
- Transition to new Administration, establishing priorities.
- Four budgets under active development.
 - FY2009 American Recovery and Reinvestment (stimulus).
 - FY2009 Omnibus Appropriations.
 - New FY2010 budget.
 - FY2011 budget.
- No Department of Commerce political leadership.

Proposed Charge to VCAT for 2009

- Explore several programs with a major documentary standards component and provide input on key NIST roles:
 - Health Care.
 - Smart Grid.
 - Other.

- What is the role of NIST in fostering and developing documentary standards?

- What is NIST's role relative to other Federal agencies?

- What is the optimal relationship with programs of the NIST Laboratories?

Discussion