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- Information Services and Computing
- Software Diagnostics and Conformance Testing
- Statistical Engineering

¹At Boulder, CO 80303
²Some elements at Boulder, CO
Cover: The cover illustration is a composite of two atomic force microscope images of laser-focused atomic deposition, as described in the paper by McClelland et al., page 99 of this issue. A laser standing wave propagates across a silicon surface, concentrating bombarding atoms into its nodes as they deposit. The foreground is a three-dimensional rendering of an atomic force microscope image, showing 65 nm wide chromium lines. The background is a larger-range AFM image of the same sample, illustrating the regularity of the lines, which are spaced at exactly half the laser wavelength. Cover image by R. Scholten, arranged by C. Carey.

The *Journal of Research of the National Institute of Standards and Technology*, the flagship periodic publication of the national metrology institute of the United States, features advances in metrology and related fields of physical science, engineering, applied mathematics, statistics, biotechnology, and information technology that reflect the scientific and technical programs of the Institute. The *Journal* publishes papers on instrumentation for making accurate measurements, mathematical models of physical phenomena, including computational models, critical data, calibration techniques, well-characterized reference materials, and quality assurance programs that report the results of current NIST work in these areas. Occasionally, a Special Issue of the *Journal* is devoted to papers on a single topic. Also appearing on occasion are review articles and reports on conferences and workshops sponsored in whole or in part by NIST.
Contents

Articles

Accuracy of Nanoscale Pitch Standards Fabricated by Laser-Focused Atomic Deposition


Characterization of an Ellipsoidal Radiometer

Annageri V. Murthy, Ingrid Wetterlund, and David P. DeWitt

Interlaboratory Comparison of Magnetic Thin Film Measurements

F. C. S. da Silva, C. M. Wang, and D. P. Pappas

A Primary Dead-Weight Tester for Pressures (0.05-1.0) MPa

Kamlesh Jain, Walt Bowers, and James W. Schmidt

Thermal Conductivity Measurement of an Electron-Beam Physical-Vapor-Deposition Coating

A. J. Slifka and B. J. Filla

Thermal Evaluation of Scorched Graphite-Epoxy Panels by Infrared Scanning

A. J. Slifka, T. Hall, and E. S. Boltz

News Briefs

GENERAL DEVELOPMENTS

NIST Characterizes NOAA Instrument for Measuring Global Chlorophyll Concentrations

NIST-Led International Collaboration Results in Improved Measurement Technology for Light Stable Isotopes Relevant to Climate Change Research

NIST Delivers Radar Cross Section Standard Artifacts to Industry

New Video on Charpy Impact Testing

Isotope Reference Standards Developed

NIST Researchers Complete International Intercomparison of Optical Fiber Power Measurements

USAXS Imaging Used to Study Artificial Tissue Scaffolds

X-Ray Porosimetry: A New Method for the Characterization of Porous Low-Dielectric-Constant Thin Films Adaptable for the Semiconductor Industry

NIST Researcher Highlights Challenges of “Talking Ceramics”
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIST Experiment’s Data Acquired Before Space Shuttle Tragedy</td>
<td>161</td>
</tr>
<tr>
<td>NIST-Developed OOMMF Software Helps to Enable One of the Top 10 Physics Advances in 2002</td>
<td></td>
</tr>
<tr>
<td>NIST Demonstrates Hybrid Wavelength Calibration Reference</td>
<td></td>
</tr>
<tr>
<td>NIST Discovers How to Limit the Magnetic Substrate Effect in Coated Superconductors</td>
<td>162</td>
</tr>
<tr>
<td>NIST Issues Digital Rights Management (DRM) Reference</td>
<td></td>
</tr>
<tr>
<td>NIST Develops Methods for Elastic Strain Field Mapping in Semiconductor Heterostructures</td>
<td></td>
</tr>
<tr>
<td>Magnetization Dynamics Modeled in Magnetic Thin Films</td>
<td>163</td>
</tr>
<tr>
<td>Simultaneous Biaxial Stress and Composition Measurements Made on Al$<em>x$Ga$</em>{1-x}$As Thin Films</td>
<td></td>
</tr>
<tr>
<td>Updated Directory of State and Local Government Laboratory Accreditation/Designation Programs Issued</td>
<td></td>
</tr>
<tr>
<td>NIST Develops Database for GSA</td>
<td>164</td>
</tr>
<tr>
<td>Solution Kinetics Database on the Web</td>
<td></td>
</tr>
<tr>
<td>NIST/Industry Collaboration Yields New Instrumentation for Monitoring Nanocomposites Compounding</td>
<td></td>
</tr>
<tr>
<td>SURF Provides Critical Calibration for NASA</td>
<td></td>
</tr>
</tbody>
</table>