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SUPERSiC Silicon Carbide Mirror Substrates
POCO’s SUPERSiC, silicon carbide, is an ideal substrate material for optics. Lower cost and short production cycles offer maximum flexibility. POCO’s unique conversion process starts with a graphite precursor that can be machined into complex shapes before being fully converted. Finished mirror substrates are dimensionally stable, lightweight with high stiffness and high thermal conductivity. The final CVD SiC coating provides an excellent polishing surface. Contact POCO at 940-393-4351.
www.poco.com

Battelle aligns with Japan Research Institute
Battelle has recently announced that it has entered into an alliance agreement with the Tokyo-based Japan Research Institute, Ltd. The parties will cooperate in an effort to develop, evaluate, and execute business opportunities in Japan related to the capabilities of each organization
Click HERE to learn more.

It’s not your father’s Buick
Reorganization at General Motors will result in GM engineers in Russelsheim, Germany, taking the lead for engineering the basics of its most popular midsize U.S. passenger cars. GM expects these changes will result in cost savings and the end of losses in its European operations. GM plans similar moves with other vehicles.
Click HERE to learn more.

Sponsored by Pfeiffer Vacuum, Inc
Eliminate Leaky Vacuum Pumps Forever with the world’s only magnetic rotary vane pump. The M Series features a magnetic coupling, eliminating the radial shaft seal. This results in no maintenance or service requirements. The environmentally responsible design also eliminates oil leaks and messy oil pans, as well as liability and pollution concerns. www.pfeiffer-vacuum.com
IN THIS ISSUE

Quantachrome Instruments’ QUADRASORB SI Surface Area and Pore Size Analyzer was designed to satisfy busy laboratory needs for high analytical throughput, without sacrificing precision, flexibility or cost-effectiveness. Four simultaneous and independent (SI) analysis ports remove the limitations of single Dewar systems allowing samples to be started as soon as previous measurements are completed. This measurement flexibility has never before been available in such a compact and cost-effective package.

www.quantachrome.com

X-ray method images ions at interface

A team led by Northwestern University researchers at the U.S. Department of Energy’s Argonne National Laboratory have taken the guesswork out of interfacial structure determination.

Click HERE to learn more.

Printable silicon advances flexible electronics

By carving specks of single crystal silicon from a bulk wafer and casting them onto sheets of plastic, scientists at the Univ. of Illinois at Urbana-Champaign have demonstrated a route to ultrahigh performance, mechanically flexible thin-film transistors. The process could enable new applications in consumer electronics and could even be used in applications that require significant computing power.

Click HERE to learn more.

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Fermilab’s SELEX experiment reveals puzzling new particle

Scientists at the Department of Energy’s Fermi National Accelerator Laboratory have announced the observation of an unexpected new member of a family of subatomic particles called "heavy-light" mesons.

Click HERE to learn more.

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AstraZeneca & Roche defy drug industry on merger trend

With an outstretched arm, Thomas McKillop, chief executive officer of AstraZeneca Plc, guides Franz Humer, his rival and counterpart at Swiss drugmaker Roche Holding AG, into the auditorium.

Click HERE to learn more.
IN THIS ISSUE

MRI predicts heart disease in women

Symptoms of heart disease in women are less obvious than in men and have been traditionally more difficult to predict. That now may change. Using magnetic resonance imaging (MRI), researchers at the Univ. of Pittsburgh's Graduate School of Public Health have been able to track biochemical changes in heart function following minor stress testing to predict cardiovascular outcomes in women.

Click HERE to learn more.

Glasses protect from enemy lasers

Researchers at the Univ. of Central Florida, Orlando, are trying to develop an eyeglass-like device that would react quickly enough to prevent enemy laser beams from blinding soldiers, pilots or police officers, potentially saving their lives.

Click HERE to learn more.

Sugar keeps drugs stable

New measurements taken by National Institute of Standards and Technology scientists show that a thin coating of freeze-dried sugar could keep insulin, vaccines and other heat-sensitive, protein-based drugs working reliably even when stored at room temperature and above.

Click HERE to learn more.

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