



sponsor

**Accuracy.  
Reliability.  
Confidence.**



**Wavelength Measurement and  
Spectral Analysis** for CW and  
Pulsed Lasers from the Visible to Mid-Infrared



585 924-2620  
www.bristol-inst.com  
info@bristol-inst.com



**PHOTONICS MEDIA**

THE PULSE OF THE INDUSTRY


photonics.com  
**LASERS & LASER SYSTEMS**

**LIGHT EXCHANGE**

Follow Photonics Media on  
Facebook and Twitter

sponsored content



**High-Accuracy Wavelength Meters**  
Bristol Instruments, Inc. [Request Info](#)

---

The 621 Laser Wavelength Meter from Bristol Instruments measures absolute wavelength to an accuracy as high as  $\pm 0.0001$  nm. It provides the *reliable accuracy* that is needed for the most demanding applications because it is continuously calibrated with a built-in frequency standard. The result is greater confidence in your experimental results anywhere from the visible to the mid-IR.

[More Info >>](#)

**Laser Spectroscopy Overcomes Measurement Challenge**

A "remarkably simple" approach overcomes the challenge of measuring key aspects of electron behavior while designing ever-smaller components, something that could allow cellphones, laptops and tablets to get increasingly thinner and more energy efficient.

[Read Article >>](#)



**Raman Overcomes Challenges for Industry**

Raman spectroscopy is becoming increasingly prevalent in commercial applications. Challenges include making remote measurements of chemical species in high-pressure or high-temperature environments while customers demand compact instrumentation with ever-greater sensitivity. These obstacles require new approaches such as fiber-coupled spectrometers with greater throughput.

[Read Article >>](#)



**Nanoantennas improve infrared sensing**

Nanoantennas with "slots" that correspond to mid-IR wavelengths are a new way to tune IR light into mechanical action - which could lead to more sensitive IR cameras and more compact chemical-analysis techniques.

[Read Article >>](#)



**Bioimaging Laser Branches Out to Bomb Detection**

A method originally developed for biomedical imaging puts the possibility of bomb-detecting lasers at security checkpoints within reach.

[Read Article >>](#)



**Laser-Based Tool Tells Normal Tissue From Tumors**

A new laser tool can microscopically distinguish between normal and cancerous brain tissue in real time. Since it doesn't miss cells that could trigger new tumor growth, the method could make brain cancer surgery much more effective.

[Read Article >>](#)



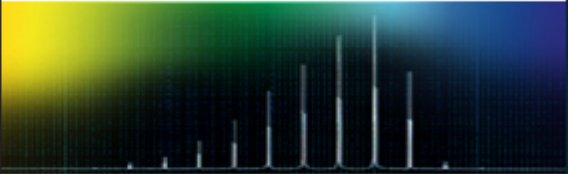
Unsubscribe: <http://www.photonics.com/Newsletter/EmailUnsubscribe.aspx>

Questions: [pr@photonics.com](mailto:pr@photonics.com)


[Subscribe](#) | [Manage Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

sponsor

**Laser Spectrum Analyzers**



**Reliable Wavelength Accuracy** and High Spectral Resolution  
in One Instrument for Lasers from the Visible to Mid-Infrared



585 924-2620  
www.bristol-inst.com  
info@bristol-inst.com

OSA'S 97<sup>TH</sup> ANNUAL MEETING  
**FRONTIERS IN OPTICS 2013**  
**LASER SCIENCE XXIX**  
APS/DLS 29<sup>TH</sup> ANNUAL MEETING

**The Must-Attend Event  
for Prestigious Scientists  
& Rising Stars!**

[WWW.FRONTIERSINOPTICS.ORG](http://WWW.FRONTIERSINOPTICS.ORG)

**LIGHT EXCHANGE**

Follow Photonics Media on  
Facebook and Twitter

