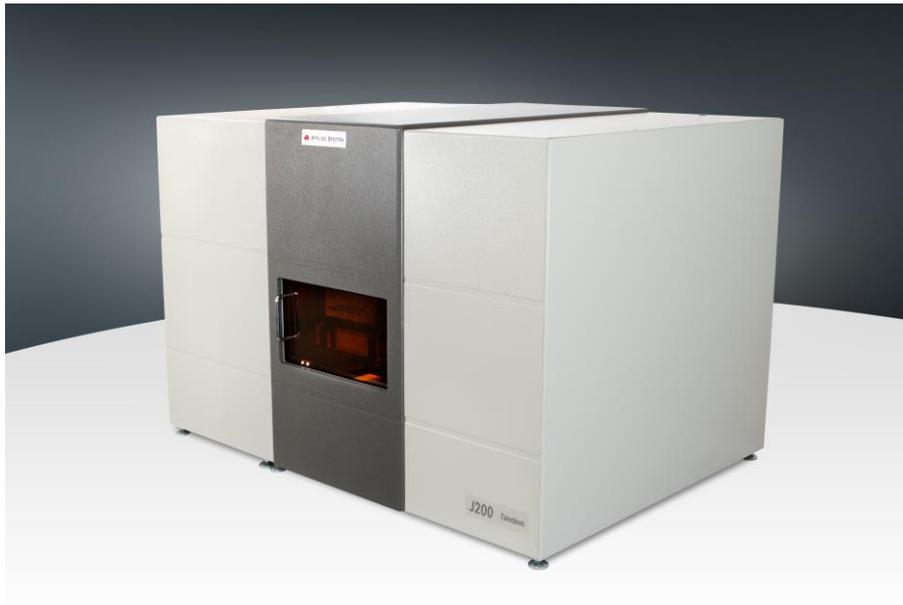


# Applied Spectra Announces Free LIBS and LA-ICP-MS Workshop at PITTCON 2015



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PITTCON 2015 Booth #1240

For Immediate Release

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Applied Spectra, Inc., ([www.appliedspectra.com](http://www.appliedspectra.com)), a leading manufacturer of laser ablation based analytical instrument, is offering a free, on-site **LIBS** (Laser Induced Breakdown Spectroscopy) and **LA-ICP-MS** (Laser Ablation – Inductively Coupled Plasma – Mass Spectrometry) workshop on March 9 (Monday), 2015 at PITTCON 2015. Dr. Jhanis Gonzalez, Applied Spectra’s Director of Applications and Laboratory Operations, will be leading two short workshops to provide tutorials on basics of LIBS and LA-ICP-MS, to discuss latest developments in LA & LIBS instrumentation and software, and to highlight rapidly growing analytical applications. This event will be held at both 1:00pm and 3:00pm and will last about 60 minutes. PITTCON 2015 conference attendees can register and participate in the workshop at no cost.

The last decade saw the rapidly growing number of analytical applications for both LA-ICP-MS and LIBS. In LA-ICP-MS, a short pulse laser generates tiny solid particles from the

sample and the particles are subsequently introduced into the ICP-MS instrument for both elemental and isotopic analysis. While traditional ICP-MS analysis requires complex liquid dissolution processes and introduction of liquid aerosols to the ICP-MS, LA provides the direct solid sampling capability for the ICP-MS instrument.

LIBS is the analogous technique to ICP-OES with RF generator replaced by a short pulse laser to generate the plasma light for the spectroscopy analysis. The laser pulse can be focused directly on the solid sample to generate the plasma light and to eliminate the need to dissolve the samples. In recent times, Applied Spectra has launched next generation LA instrument to combine both LA for ICP-MS and LIBS capability under the single instrument platform called “**J200 Tandem LA – LIBS**”.

“People are pretty much awed by the analytical performance of our J200 Tandem LA – LIBS instrument,” said Dr. Jong Yoo, Executive VP and GM of Applied Spectra. The benefits of J200 Tandem LA – LIBS technology includes:

- Simultaneous measurement of major and trace level elements and isotopes
- Detection sensitivity down to ppb
- Expanded elemental coverage to include lighter and organic elements (such as H, Be, Li, B, C, O, N, etc.)
- Measurement speed as fast as a few seconds
- Bulk analysis, inclusion analysis, depth profiling, and elemental mapping

“With so much progress that we have witnessed in sampling methods and data analysis for LA-ICP-MS and LIBS, we wanted to provide an opportunity for chemical analysis community to get a good snapshot of how powerful LIBS and LA-ICP-MS can be for many analytical applications”, said Ms. Luci East, Marketing Manager at Applied Spectra. “We love to meet many lab and QC managers at the workshop to go over the benefits of LIBS and LA-ICP-MS.”

For more information please contact Lucille East, Marketing Manager at Applied Spectra Inc at [marketing@appliedspectra.com](mailto:marketing@appliedspectra.com).

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**Applied Spectra will be exhibiting at The PITTCON Show 2015 at booth #1240**