

IMPORTANT INFORMATION

Registration deadline

October 15th 2019. The number of participants is limited to 30 persons and early registration is recommended (first come, first serve).

Location

Lectures and instruments demonstration will take place at the Bundesanstalt für Materialforschung und -prüfung (BAM) in Berlin-Adlershof.

Bundesanstalt für Materialforschung
und -prüfung (BAM)
Richard-Willstätter-Straße 11
12489 Berlin

Contact

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REGISTRATION

Participation is free of charge and includes coffee breaks, lunches and a “Get together” on Monday.

Please register under:

https://appliedspectra.adobeconnect.com/bamworkshop/event/event_info.html



Organizers

This workshop is organized by BAM and Applied Spectra Inc., in cooperation with the German Working Group for Analytical Spectroscopy (DAAS)



Bundesanstalt für
Materialforschung
und -prüfung

Sicherheit in Technik und Chemie

Workshop on tandem LIBS/LA-ICP-MS

NOVEMBER 18TH TO 19TH, 2019
IN BERLIN-ADLERSHOF

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LIBS and LA-ICP-MS are well established techniques for surface analysis. Although these techniques have lasers in common, they evolved separately. The recent merge of both analytical techniques by tandem instruments combined by chemometrics opens new horizons on the analysis of materials.

The BAM together with the German Working Group for Analytical Spectroscopy (DAAS) and Applied Spectra Inc., organize the first workshop on tandem LIBS/LA-ICP-MS in Europe to bring into dialogue experts of both techniques (optical and mass spectrometry) to share their experiences and common issues for an efficient tandem analysis.

CONTENT OF THE WORKSHOP

Lectures on fundamentals and applications of LIBS and LA-ICP-MS combined with group demonstrations of instruments and software.

Topics

- plasma fundamentals
- instrumentation and tandem concept
- applications on the analysis of polymers, construction materials, and geological and biological samples

Target groups

This workshop aims at scientists and users of all levels of LIBS and LA-ICP-MS instruments with interest in advanced tandem instrumentations.

Schedule

Monday, November 18 th		Tuesday, November 19 th	
08:00	Registration	09:00	Lectures
09:00	Welcome	10:30	Coffee break
09:15	Lectures	11:00	Lectures
10:45	Coffee break	12:30	Lunch
11:15	Lectures	14:00	Lab demos
12:45	Lunch	15:30	End of workshop
14:00	Lab demos		
15:30	Coffee break		
16:00	Panel discussion		
17:00	Get together		

WORKSHOP SPEAKERS



Workshop convener
Dr. Jhanis Gonzalez

Dr. Jhanis Gonzalez, Technical Director, Product R&D and Management at Applied Spectra Inc., has researched on chemical analysis of solid samples with laser induced breakdown spectroscopy and fundamental ablation mechanisms for close to 20 years. He was a

Visiting Scientist, Chemist Postdoctoral Fellow, and a Project Scientist at Lawrence Berkeley National Laboratories.

Jhanis' research, focused on understanding the mechanisms of laser-material interaction through the use of both LIBS and LA-ICP-MS, has helped Applied Spectra remain on the cutting edge of laser chemical analysis. He received his B.S. in Chemistry and his Ph.D. in Area-Physics Chemistry from the Universidad Central de Venezuela, Caracas.

Invited speakers

Johanna Irrgeher – University of Leoben, Austria
Andreas Limbeck – TU Vienna, Austria
Daniel Frick – GFZ, Potsdam
Susanne Schröder – DLR, Berlin
Heike Traub – BAM
Igor Gornushkin – BAM
Gerd Wilsch – BAM