

11th International Conference on Laser-Induced Breakdown Spectroscopy September 20-25, 2020, web conference

Scope

What is LIBS?

LIBS is an abbreviation of "Laser-Induced Breakdown Spectroscopy", a unique analytical technique which measures emission spectra from laser plasma to analyze elements composing the target. The process involves laser plasma generation and emission spectroscopy of the plasma, and hence, LIBS study is highly interdisciplinary, including laser technology, laser ablation, laser plasma studies, spectroscopy, and analytical chemistry. Since LIBS does not require elaborate sample preparation, and the instrumentation can be compact enough for on site uses, it is expected to be applied to various fields, such as environmental monitoring, mining industry, waste sorting, deep-sea exploration, biomedical investigations, and many others.

Scope of LIBS2020

In LIBS 2020 we welcome abstract submission from all the LIBS-related topics, including basic studies of the laser ablation and laser plasma, and analysis of emission spectra. Followings are typical topics of LIBS studies,

- Fundamentals of LIBS
- Laser ablation and laser plasma
- Nanoparticles in plasma
- Molecular LIBS
- Quantitative analysis and chemometrics
- Position sensitive measurements
- Underwater LIBS and its applications
- Biomedical applications
- Combination with another method
- Industry applications and instrumentations

History of the conference

First International Conference of Laser-Induced Breakdown Spectroscopy (LIBS) was held in Pisa, Italy in the year of 2000. The conference is held once every two years, i.e., 2002 Orlando, FL, 2004 Malaga, Spain, 2006 Montreal, Canada, 2008 Berlin, Germany, 2010 Memphis, TN, 2012 Luxor, Egypt, 2014 Beijing, China, 2016 Chamonix, France, 2018 Atlanta, GA. LIBS2020 WEB will be the 11th LIBS conference, celebrating 20-year anniversary.

Venue

The conference will be held as a web conference

Important dates

Please check the conference website below.

Contacts

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libs2020%j-libs.org (replace %= @)

Website

<http://www.fm.ehcc.kyoto-u.ac.jp/Sakkalab/member/sakka/LIBS2020/index.htm>



**We welcome participation of many researchers and students in
LIBS2020**