





Monday, 04 March

18:30 Welcome Evening
Place: **Plevna**, Itäinenkatu 8, 33210 Tampere,
 <https://plevna.fi/english/>
 <https://maps.app.goo.gl/D1YrQFtBjWY7FjSk6>

We would like to welcome you to Tampere by inviting you to the historic site of the first electric light in the Nordics! The **Plevna** brewery restaurant is located at the heart of the old industrial Tampere, offering freshly brewed refreshments and possibility to purchase German-style food, if feeling snacky. The evening reception starts at 18:30 and you will find us close to the entrance.

Tuesday, 05 March

08:45 Registration
09:00 Welcome **J. Toivonen (FI)**

Session- 1 (Chair: J. Toivonen)

09:15 Keynote **V. Motto-Ros (FR)**
LIBS imaging : recent advances and review of breakthrough applications

10:05 Coffee Break

Session- 2 (Chair: P. Veis)

10:30 Invited **P. Pořízka (CR)**
Automated mineralogy by LIBS for in-situ resource utilization
11:10 Oral **I. H. Boyaci (TR)**
The prospects of laser-Induced breakdown spectroscopy (LIBS) in the analysis of food
11:40 Oral **P. Heikkilä (FI)**
Field-deployable LIBS system for ambient aerosol particle elemental analysis
12:00 Sponsor **M. Halonen (FI)**
Kimmy Photonics Oy

12:15 Lunch

Session- 3 (Chair: S. Kaski)

13:15 Sponsor **V. Merk (DE)**
LTB Lasertechnik Berlin (Robot-assisted mobile LIBS for geosciences and in-line quality control)
13:30 Sponsor **P. Bartko (CR)**
AtomTrace a.s.





13:45	Sponsor	M. Sandtke (NL) <i>Spectral Industries B.V.</i>
14:00	Sponsor	S. Sørensen (DK) <i>Norlab Oy</i>
14:15	Sponsor	D. Kopf (AT) <i>Montfort Laser GmbH</i>
14:30	Sponsor	C. Elout (NL) <i>Avantes B.V.</i>

14:45 Coffee Break

Session- 4 (Chair: **V. Dwivedi**)

15:10	Invited	P. Veis (SK) <i>Calibration free LIBS for depth profile analysis of impurities, migrated material and retained fuel in fusion relevant materials</i>
15:50	Oral	A. Hakola (FI) <i>Development of LIBS as a tritium monitoring tool for the JET tokamak</i>
16:10	Oral	S. Mittelman (DE) <i>Femtosecond LIA-QMS analysis for the detection of trapped deuterium</i>

16:30 Poster Session

17:45 Sauna evening and dinner[#] (Bus at 17:45, from symposium venue)
Place: **Varala**, Varalankatu 36, 33240 Tampere
<https://varala.fi/en/saunas/>
<https://maps.app.goo.gl/rVk5LhS4q1eAG9687>

[#]The dinner and sauna will take place at **Varala** recreational center's sauna facilities. The sauna is located at the scenic waterfront of Pyhäjärvi Lake. There we have saunas and possibility for swimming/snowbathing, depending on the snow conditions. Please bring your own bathing suit if you want to go to the sauna and swimming. Towels are available at the sauna. A delightful buffet-style dinner with accompanying drinks will be served in the lounge area.

Varala is located at a short drive from Tampere city center. For your convenience, a bus will depart at 17:45 from the venue with a return bus scheduled for 22:00. If you wish to leave early, there are two options: (i) Varala is next to a local bus stop (~3€ ticket to the city), (ii) using a taxi (~25€ to the city).

22:00 Bus transportation from Varala to Tampere city center





Wednesday, 06 March

Session- 5

(Chair: **P. Pořízka**)

09:00 Keynote **R. Noll (DE)**
Bringing light into the process - contributions of LIBS for efficient and sustainable industrial production

09:50 Coffee Break

Session- 6

(Chair: **P. Suominen**)

10:20 Invited **J. Kaiser (CR)**
LIBS for quantitative imaging of toxic metals in plant tissues

11:00 Oral **S. Kaski (FI)**
Applications of LIBS in material analysis

11:30 Oral **O. Balachninaite (LT)**
Comparative studies of ultraviolet and infrared femtosecond laser-induced plasma spectroscopy

11:50 Lunch

Session- 7

(Chair: **J. Viljanen**)

12:50 Sponsor **S. Quetel (FR)**
OXXIUS S.A.

13:05 Oral **B. Sezer (TR)**
Comprehensive cheese analysis through singular laser-induced breakdown spectroscopy spectrum for multiparametric insight

13:25 Oral **K. A. Thorarinsdottir (IS)**
Use of LIBS analyzers in the aluminum industry and for metallurgical research

13:45 Oral **J. Peterson (SE)**
Rapid chemical analysis of slag at the production site

14:05 Oral **M. Sandtke (NL)**
Real-time LIBS analysis of drill cuttings

14:25 Coffee Break





Session- 8		(Chair: P. Heikkilä)
14:50	Oral	P. Suominen (FI) <i>RoboAI Green and the needs for industrial LIBS systems in Satakunta region</i>
15:20	Oral	I. Laine (FI) <i>Technology of LIBS Imaging</i>
15:40	Oral	J. Butikova (LV) <i>LIBS activities at the Institute of Solid-State Physics & Institute of Astronomy, Uni. of Latvia</i>
16:00	Oral	J. Viljanen (FI) <i>Soil analysis with laser-induced breakdown spectroscopy</i>

16:20 Closing

16:30 Laboratory visit^{##} (Bus at 16:30, from symposium venue)
Place: **Hervanta**, Korkeakoulunkatu 7, 33720 Tampere

^{##}The laboratory visit is scheduled at the **Hervanta campus** (a hub of science and technology) of the University, approx. 7.5 kms from the conference venue. Our visit will include exploration of selected Optics & Photonics laboratories at Tampere University.

18:15 Bus transportation from Hervanta Campus to Tampere city center

