



**Poster Session 1 (P1-XX) : Monday 28th 15:50-17:20 (90 min.)**  
**Poster Session 2 (P2-XX) : Tuesday 29th 17:30-19:00 (90 min.)**

**Poster Board : W1.2m × H1.8m**

P1-01	<u>Ahsa Moon</u> , Soshi Watanabe, Yuji Ikeda, Ikuo Wakaida	Study of Microwave Antenna for MW fiber LIBS
P1-02	<u>Anmin Chen</u> , Ying Wang	Optimization of distances between the target surface and focal point on spatially confined laser induced breakdown spectroscopy with a cylindrical cavity
P1-03	<u>Bo-Young Han</u> , Gwang-Min Sun, Se-Hwan Park, Seong-Kyu Ahn, Dong-Seon Kim	Quantitative analysis of oxide concentration in LiCl-Li <sub>2</sub> O salt used in electrolytic reduction process
P1-04	<u>Bowen Xue</u> , Yoshihiro Deguchi, Minchao Cui, Chenxu Wang, Zifan Miao [ST]	Rapid Identification of Microstructure in Steel Samples Using Laser-Induced Breakdown Spectroscopy
P1-05	<u>Yuki Fujita</u> , Yoshihiro Deguchi, Minchao Cui, Seiya Tanaka, Ryo Furukawa [ST]	Development of long and short double-pulse LIBS to porous materials with water
P1-06	<u>Dacheng Zhang</u> , Z. Q. Hu, Y.B. Su, B. Hai, X.L. Zhu, J.F. Zhu, X. Ma	A novel method for liquid analysis by laser-induced breakdown spectroscopy (LIBS)
P1-07	<u>Fuqiang Lian</u> , Zhongwei Fan, Tianzhuo Zhao, Weiran Lin, Zeqiang Mo, Xin Li	Research on online composition detection of metal by LIBS in a vacuum environment
P1-08	<u>Jang-Hee Choi</u> , Sungho Jeong [ST]	Multivariate analysis for the discrimination of cutaneous melanoma from normal skin using femtosecond laser-induced breakdown spectroscopy
P1-09	<u>Jialong Xu</u> , Shunchun Yao, Lifeng Zhang, Zhimin Lu [ST]	Optimizing critical parameters for the directly measurement of particle flow with PF-SIBS
P1-10	<u>Jingbo Zhao</u> , Shunchun Yao, Weiye Lu, Zhimin Lu, Yuesheng Li, Jidong Lu [ST]	Analysis of spectral properties for coal with different volatile content by laser-induced breakdown spectroscopy
P1-11	<u>Katsuaki Akaoka</u> , Masaki Ohba, Masabumi Miyabe, Ikuo Wakaida	Spectrum analysis of LIBS using the least-square method
P1-12	<u>Koji Tamura</u> , Hironori Ohba, Ayumu Matsumoto, Morihisa Saeki, Ikuo Wakaida	Effects of Shock Wave Propagation to the Laser Induced Breakdown Spectroscopy (LIBS) Signals
P1-13	<u>Koki Kimura</u> , Shota Miyagawa, Naoya Nishi, Ken-ichi Amano, Tetsuo Sakka [ST]	Spectra of carbon species in the liquid-phase laser-ablation plasma by a long pulse irradiation
P1-14	<u>Liuyang Zhan</u> , Weiqi Fang, Xiaohong Ma, Rui Wang, Yang Song, Huafeng Zhao [ST]	A rapid classification method of aluminum alloy based on Laser-Induced Breakdown Spectroscopy and random

P1-15	<u>Masabumi Miyabe</u> , Kyunghun Jung, Masaki Oba, Katsuaki Akaoka, Ikuo Wakaida	Development of laser ablation absorption spectroscopy for nuclear fuel materials
P1-16	<u>Masaki Oba</u> , Masabumi Miyabe, Katsuaki Akaoka, Ikuo Wakaida	Emission characteristics of microwave-assisted LIBS by various shapes of microwave electrodes
P1-17 [ST]	<u>Minchao Cui</u> , Yoshihiro Deguchi, Chenxu Wang, Bowen Xue, Zifan Miao	Reduction of sample temperature effects on LIBS by using long pulse beam
P1-18	<u>Morihisa Saeki</u> , Takumi Yomogida, Daiju Matsumura, Takumi Saito, Yoshihiro Okamoto, Hironori Ohba	Laser Raman spectroscopic studies on isopolyomolybdate(VI) in a highly acidic solution
P1-19 [ST]	Xiaomei Lin, Haoran Sun, <u>Jingjun Lin</u> , Changjin Che	Research on automatic compensation method of laser energy in LIBS measurement
P1-20 [ST]	Xiaomei Lin, Lei Zhong, Jingjun Lin, <u>Changjin Che</u>	Effect of Sample Temperature on the Characteristic Parameters of Double Pulse Laser Induced Al Plasma
P2-01 [ST]	<u>Nan Li</u> , Jinjia Guo, Wangquan Ye, Lin Zhu, Yuan Lu, Ronger Zheng	Study of ambient temperature effects on laser-induced plasma in bulk water
P2-02 [ST]	<u>Ping Yang</u> , Yining Zhu, Zhihao Zhu, Jiaming Li, Xinyan Yang, Zhongqi Hao, Lianbo Guo, Xiangyou Li, Xiaoyan Zeng, Yongfeng Lu	Comparison of sample preparation methods for rice geographic origins classification using laser-induced breakdown spectroscopy
P2-03	<u>Qingdong Zeng</u> , Boyun Wang, Huaqing Yu, Lianbo Guo, Xiangyou Li, Yining Zhu, Jiaming Li, Xinyan Yang, Kuohu Li, Xiaoyan Zeng, Yongfeng Lu	On-line Analysis of Trace Elements in Steels Using a Portable FO-LIBS
P2-04 [ST]	<u>Ran Zhou</u> , Lianbo Guo, Zhongqi Hao, Jiaming Li, Rongxing Yi, Xinyan Yang, Yangmin Guo, Xiangyou Li, Xiaoyan Zeng, Yongfeng Lu	Determination of nitrogen, phosphorus, and potassium in soil using LIBS combined with PLSR
P2-05 [ST]	<u>Renwei Liu</u> , Yoshihiro Deguchi, Minchao Cui, Zhenzhen Wang, Jiping Liu	Situation analysis of LIBS measurement on steel samples under different sample temperature
P2-06 [ST]	<u>Ryo Furukawa</u> , Yoshihiro Deguchi, Yuki Fujita, Seiya Tanaka, Minchao Cui	Long distance measurement of steel samples using LIBS
P2-07 [ST]	<u>Seiya Tanaka</u> , Yoshihiro Deguchi, Yuki Fujita, Ryo Furukawa, Minchao Cui	Development of real time measurement of trace element detection using LB-TOFMS
P2-08 [ST]	<u>Shota Miyagawa</u> , Naoya Nishi, Ken-ichi Amano, Ikuo Wakaida, Tetsuo Sakka	Efficiency of optical tweezers designed for LIBS analysis of dispersed particles
P2-09 [ST]	<u>Sungho Shin</u> , Hyemin Jang, Jaepil Lee, Jang-Hee Choi, Euseok Hwang, Sungho Jeong	Signal processing for real time identification of similar metal by laser-induced breakdown spectroscopy
P2-10 [ST]	<u>Xinyue Zhang</u> , Shunsuke Kashiwakura, Kazuaki Wagatsuma	Surface Analysis of Ablated Fe-based Binary Alloys in Laser-induced Breakdown Optical Emission Spectrometry
P2-11 [ST]	<u>Yang Du</u> , Qianqian Wang, Yu Zhao, Xutai Cui, Chengyu Li	Analysis of deer antler using laser-induced breakdown spectroscopy

P2-12 [ST]	<u>Ying Wang</u> , Anmin Chen	Two sequential enhancements of laser-induced Cu plasma with cylindrical cavity confinement
P2-13	Yingtong Qu, Yuandong Li, Yunjiao Lan, Yuan Lu, Ye Tian, <u>Ying Li</u>	Quantitative investigations of elements in seashells with laser-induced breakdown spectroscopy
P2-14	Yu Zhao, Qianqian Wang, Xutai Cui, <u>Qun Hao</u>	Analysis of RDX residues on organic materials using laser-induced breakdown spectroscopy
P2-15 [ST]	<u>Chenxu Wang</u> , Yoshihiro Deguchi, Minchao Cui, Bowen Xue, Zifan Miao	Parameters of the Plasma Generated by LIBS from Steel Samples in Different Temperatures
P2-16 [ST]	<u>Yun Tang</u> , Xiangyou Li, Jiaming Li, Xinyan Yang, Zhongqi Hao, Lianbo Guo <sup>1</sup> , Mingyin Yao, Xiaoyan Zeng, Yongfeng Lu, Jun Duan	Investigation on Spectral Enhancement of Microwave-assisted Laser-induced Breakdown Spectroscopy
P2-17 [ST]	<u>Zhe Liu</u> , Yue Song, Lei Zhang, Xiaoji Zhou	LIBS Multi-functional fast coal quality analyzer
P2-18 [ST]	<u>Zhengtao Hu</u> , Yoshihiro Deguchi, Heng Xu, Qulan Zhou	Quantitative Detection of Unburned Carbon in Rice Hush Ash Using Laser-Induced Breakdown Spectroscopy
P2-19 [ST]	<u>Zifan Miao</u> , Yoshihiro Deguchi, Minchao Cui, Chenxu Wang, Bowen Xue	Quantitative Analysis of Cadmium in Soil Samples Using LIBS

