

Poster Session 1, 14:00~16:00, September 22, Tuesday [Japan Time]

No.	Presenter	Affiliation	Country	Title
P1-1	Ding Wu	Dalian University of Technology	China	Prompt electrons emission and plasma sheath formation during ns-laser ablation of tungsten at reduced pressures
P1-2	Jakub Buday	Brno University of Technology	Czech Republic	Analysis of laser induced plasmas for disparate samples by shadowgraphy
P1-3	Ivana Chamradová	Central European Institute of Technology	Czech Republic	Laser-Induced Breakdown Spectroscopy analysis used for polymer discrimination in inert atmosphere
P1-4	Junbin Cai	South China University of Technology	China	Temporal-spatial resolved laser-induced breakdown spectroscopy of coal with different volatile contents
P1-5	Kai Rong	Xi'an Jiaotong University	China	Measurement features of flue gas using laser-induced breakdown spectroscopy
P1-6	Chen Peng	Xi'an Jiaotong University	China	Measurement of carbon content in fly ash by LIBS combined with SVM
P1-7	Sooraj. S	Indian Institute of Technology Madras	India	Laser-Induced Breakdown Spectroscopy Based Online Monitoring of Nanosecond Laser-Assisted Removal of Copper from Dielectric Material
P1-8	Sára Střítežská	CEITEC BUT	Czech Republic	Laser induced breakdown spectroscopy in elemental imaging of plants: the spatial distribution of Cd based Quantum dots in S. Alba
P1-9	Yang jinwei	Fujian University of Technology	China	Determination of mechanical properties of 3D printing parts by LIBS
P1-10	Kong LingHua	Fujian University of Technology	China	Application of LIBS in laser additive manufacturing
P1-11	Li Peng	Fujian University of Technology	China	Research on Detection and Classification of Disused Electronic Circuit Board Based on LIBS
P1-12	Qingyu Lin	Sichuan University	China	Molecular mechanisms against breast cancer: Insight from elemental imaging by LIBS
P1-13	Jakub Buday	Brno University of Technology	Czech Republic	Spectroscopic and morphological information of the laser induced plasma for soft tissues
P1-14	Anna Šindelářová	Brno University of Technology	Czech Republic	Implementation of LIBS into the histological imaging of soft tissues
P1-15	Sandeep Kumar	Mokpo National University	Republic of Korea	Quantification of Gd in Gd-doped CeO ₂ using laser-induced breakdown spectroscopy
P1-16	Peichao Zheng	Chongqing University of Posts and Telecommunications	China	Detection and separation of Fe (II) and Fe (III) in aqueous solution by laser-induced breakdown spectroscopy coupled with chelate resin enrichment and pH value adjustment
P1-17	Ziyu Yu	South China University of Technology	China	Repeatability improvement in LIBS analysis of particle flow by aberration-diminished focusing
P1-18	Hemalaxmi Rajavelu	Indian Institute of Technology Madras	India	Development of LIBS instrumentation for powder analysis
P1-19	Rajendhar Junjuri	University of Hyderabad	India	Standoff LIBS for the identification of plastic waste using a compact spectrometer
P1-20	Tong Chen	Shenyang Institute of Automation	China	Deep Learning with Laser-Induced Breakdown Spectroscopy(LIBS) for the Classification of Rocks Based on Element Mapping
P1-21	Della Thomas	Indian Institute of Technology Madras	India	Application of LIBS for analysis of biofouling of marine structures
P1-22	David Prokop	CEITEC BUT	Czech Republic	Joint utilization of LIBS and XCT for volumetric information of mineralogical samples
P1-23	Huaiqing Qin	South China University of Technology	China	Improving laser-induced breakdown spectroscopy quantitative analysis by the modeling method coupled with data uncertainty
P1-24	Renwei Liu	Xi'an Jiaotong University	China	Calibration of PLS for Steel Measurement using LIBS
P1-25	Zhongqi Feng	Xidian University	China	Recognition of aerial alloy grades using laser-induced breakdown spectroscopy
P1-26	DaCheng Zhang	Xidian University	China	The Classification of Metal by Remote Laser Induced Breakdown Spectroscopy (LIBS) and K-Nearest Neighbor (KNN) Algorithm

Poster session 2, 8:00~10:00, September 23, Wednesday [Japan Time]

No.	Presenter	Affiliation	Country	Title
P2-1	Satoshi Yamaguchi	Kyoto University	Japan	Spot size effects on the pulse-to-pulse stability of underwater LIBS spectra
P2-2	Ryuzo Nakanishi	National Institutes for Quantum and Radiological Science and Technology (QST)	Japan	Fiber-optic LIBS for evaluation of surface hardness using ambient gas emission
P2-3	Jiamin Liu	Dalian University of Technology	China	Quantitatively Analyzing the Tungsten-Copper Samples by the Laser Induced Breakdown Spectroscopy in High Vacuum Environment
P2-4	Carlos Alberto Rinaldi	Instituto de Tecnologías Emergentes y Ciencias Aplicadas -UNSAM	Argentina	Correlation between the critical absorbed energy and the Fermi energy in laser ablation process
P2-5	Ivan Alexander Urbina Medina	Centro de Investigaciones Ópticas de la Plata (CIOP)	Argentina	Time interval determination of the LTE condition in pure zinc plasma generated by laser applying time resolved Boltzmann Plot Method (3D Boltzman plot)
P2-6	Makoto Matsuura	Tokushima University	Japan	Development of steel element measurement technology using autofocus LIBS
P2-7	Yuta Arima	Tokushima University	Japan	Development of real-time measurement technology for steel elemental composition using long and short DP-LIBS
P2-8	Shun Nakajima	Tokushima University	Japan	Development of real-time measurement of carbon component in molten metal using long and short Double-Pulse Laser
P2-9	Dayana Oropeza	Lawrence Berkeley National Laboratory	USA	Discriminant Analysis of Allotropic Forms of Carbon by LIBS
P2-10	Hironori Ohba	National Institutes for Quantum and Radiological Science and Technology (QST)	Japan	Rare earth elements detection in mixed oxide using a fiber optic LIBS with a ceramic micro-laser
P2-11	Katsuaki Akaoka	Japan Atomic Energy Agency (JAEA)	Japan	Analysis of LIBS spectra using the least-square method for two-dimensional distribution of simulated fuel debris
P2-12	Huace Wu	Dalian University of Technology	China	High sensitivity LIBS system based on PMT for elemental diagnosis of the first wall of EAST tokamak
P2-13	Ali M. Alamri	University of Adelaide	Australia	Isotopes Identification by Microwave-assisted Laser Induced Breakdown Molecular Spectrometry
P2-14	Takuya Shibata	Japan Atomic Energy Agency (JAEA)	Japan	LIBS analysis for cesium adsorbed to radiation-induced graft polymerization materials
P2-15	Ikuo Wakaida	Japan Atomic Energy Agency (JAEA)	Japan	Development on laser remote analysis for on-site, in-situ and quick screening of nuclear debris in decommissioning of Fukushima Daiich Nuclear Power Station
P2-16	Fanny Cattani	CUA CRESST II / NASA GSFC	USA	Development of LIBS instrumentation for in situ dating using the Potassium-Argon Laser Experiment (KArLE)
P2-17	Yutaro Onishi	Tokushima University	Japan	Technical development of portable autofocus LIBS measuring device
P2-18	Zheng Liu	Ocean University of China	China	Time-resolved Plasma Image Captured by Dual CMOS Cameras
P2-19	Jhanis J. Gonzalez	Applied Spectra, Inc. /Lawrence Berkeley Nat. Lab	USA	Analysis of solid samples by a combination of LA-ICP-OES and LIBS
P2-20	Claver W. Aldama-Reyna	National University of Trujillo	Peru	Identification of the raw material in an ancient peruvian textile using LIBS and cross validation with SEM-EDS
P2-21	Jonnathan Eduardo Álvarez Fuentes	Universidad de Concepción	Chile	Mineralogical determination of main sulphide ores in copper concentrates by laser induced breakdown spectroscopy
P2-22	Jonnathan Eduardo Álvarez Fuentes	Universidad de Concepción	Chile	Mineral phase determination and distribution of main species in copper concentrates by laser induced breakdown spectroscopy
P2-23	Morihisa Saeki	National Institutes for Quantum and Radiological Science and Technology (QST)	Japan	Application of MCR analysis to time-resolved LIBS measurement using liquid jet sampling method
P2-24	Lampros Spanos	University of Crete/Institute of Electronic Structure and Laser, Foundation for Research and Technology-Hellas	Greece	Laser induced breakdown spectroscopy (LIBS) combined with machine learning methods or neural networks enables screening and classification of archaeological hard tissue remains
P2-25	Yasushi Oshikane	Osaka University	Japan	CF-LIBS study of F82H steel by third harmonic of pulsed Nd:YAG laser for fusion reactor
P2-26	Shuzo Eto	Central Research Institute of Electric Power Industry	Japan	Characteristics of self-absorption of spectra measured by LIBS for estimation of compressive strength of concrete

Poster session 3, 16:30~18:30, September 24, Thursday [Japan Time]

No.	Presenter	Affiliation	Country	Title
P3-1	Nikolaos Giannakaris	Johannes Kepler University Linz	Austria	Chemical imaging and analysis by Femtosecond LIBS with micrometer spatial resolution
P3-2	Kholoud Hamam	KING ABDULAZIZ UNIVERSITY-NRC	Canada-Saudi Arabia	Comparison of the LIBS plasma performance via the same irradiance with different laser spot sizes on aluminum alloy sample
P3-3	Pavel Sdvizhenskii	National University of Science and Technology	Russia	Depth elemental profiling of the wear resistant composite coatings by LIBS
P3-4	Pavel Sdvizhenskii	National University of Science and Technology	Russia	Online laser induced breakdown spectrometry for metal particle powder flow analysis during additive manufacturing
P3-5	Peter Gschwandtner	Johannes Kepler University Linz	Austria	LIBS and XRF detection of Zinc in aqueous solution and on paper substrate after liquid-solid matrix transfer
P3-6	Andreas Weninger	Johannes Kepler University Linz	Austria	Analyzing major and minor elements in coal by LIBS: How relevant is the matrix effect?
P3-7	Gerald Schwoedauer	Johannes Kepler University Linz	Austria	Detection of contaminants (PVC, Al, Fe) in recycled PET flakes with Laser-induced breakdown spectroscopy
P3-8	Javier Moros	University of Málaga	Spain	Laser-Induced Breakdown Spectroscopy: an Analytical Technique for Sorting of Waste Refractory Materials Used in Steelmaking
P3-9	Qingdong Zeng	Hubei Engineering University	China	Development of LIBS instrumentation for steel industry
P3-10	Patrick Balhorn	Fraunhofer Institute for Laser Technology ILT	Germany	Ablation patterns for the identification of valuable materials in electronic components with LIBS
P3-11	Kenza YAHIAOUI	Centre de Développement des Technologies Avancées	Algeria	Comparative Study between ablation of aluminum and alumina in atmospheric ambience using LIBS technique
P3-12	Vyacheslav F. Lebedev	ITMO University, SUAI	Russia	Laser-induced surface graphitization of HPHT diamonds as a criterion for the degree of disorder of the carbon lattice
P3-13	Tomás Delgado Pérez	Universidad de Málaga	Spain	LIBS molecular signals in Martian atmosphere as a tool in the search for biosignatures.
P3-14	Tamara Lloyd Griffiths	National Nuclear Laboratory	UK	A study of the effects of gamma radiation on optical components used in a specially constructed hot cell Laser Induced Breakdown Spectroscopy (LIBS) instrument
P3-15	Mamadou Lamine Sankhé	CEA	France	Development of LIBS instrumentation for in situ characterization of Plasma Facing Components in tokamaks
P3-16				
P3-17	Jeong Park	Mokpo National University	Republic of Korea	Combination of diffuse reflectance spectroscopy and laser-induced breakdown spectroscopy for multivariate classification of edible salts
P3-18	Chenwei Zhu	Huazhong University of Science and Technology	China	Lead of detection in rhododendron leaves using laser-induced breakdown spectroscopy assisted by laser-induced fluorescence
P3-19	Zhiyang Tang	HuaZhong University of Science and Technology	China	Determination of fluorine in copper ore using laser-induced breakdown spectroscopy assisted with SrF molecular emission band
P3-20	César Marina Montes	University of Zaragoza	Spain	Analysis of soils in the Antarctic Region by calibration free-laser induced breakdown spectroscopy
P3-21	Fatemeh Rezaei	K.N.Toosi University of technology	Iran	Considerations of LIBS in organic vapors
P3-22	Asia Botto	Applied and Laser Spectroscopy Laboratory, ICCOM-CNR	Italy	Micro-LIBS Scan for Elemental Mapping of historical mortars
P3-23	Kun Liu	Huazhong University of Science and Technology	China	Interference correction for laser-induced breakdown spectroscopy using deconvolution algorithm
P3-24	Modou Niang	University Cheikh Anta Diop	Senegal	Study of marine sediments measured by the LIBS technique (Laser Induced Breakdown Spectroscopy)