

19 FEB 2018

TECHNICAL SESSION: ORAL PRESENTATION: 1

Time	Name and Affiliation	Title of Abstract
16:30-16:40	Dr. Arpita Nath Department of Physics, National Institute of Technology Meghalaya, Meghalaya	Laser produced metastable phases of TiO ₂ nanoparticles in liquids
16:40-16:50	Dr. Kailash Uttam Department of Physics, University of Allahabad, Allahabad	Elemental investigation of the turnip root by laser induced breakdown spectroscopy
16:50-17:00	Dr. Gyan Prakash CMP Degree College, Allahabad	Self focusing of electromagnetic beams in nonlinear media
17:00-17:10	Dr. Neha Agnihotri Department of Physics Indian Institute of Technology, Banaras Hindu University, Varanasi	Computational modelling of panchromatic porphyrins for solar photovoltaic cells
17:10-17:20	Dr. Surendra Prasad Department of Physics, Institute of Science, Banaras Hindu University, Varanasi	Numerical Modelling of Band Structures of One Dimensional Plasma-Ferrite Photonic Crystals in Longitudinal Mode
17:20-17:30	Dr. Prashant Dubey Centre of Material Sciences, Institute of Interdisciplinary Studies, University of Allahabad, Allahabad	Gold nanoparticles supported over MgO as an efficient nanocatalyst for p-nitrophenol reduction in aqueous medium
17:30-17:40	Dr. Gaurang Mishra Department of Physics, Agra College, Dr. B. R. Ambedkar university, Agra	Synthesis and characterization of CdSnanoparticles
17:40-17:50	Dr. Jibon Saikia Department of Physics, J.B. College, Jorhat, India	The principle moving vectors and manifestation of fermi golden rule
17:50-18:00	Dr. Mukesh Upadhyay Department of Physics, North Eastern Regional Institute of Science & Technology, Nirjuli, AP	Behaviour of electric pressure with temperature and electric field for <100> tunnelling model

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TECHNICAL SESSION: ORAL PRESENTATION: 2

16:00-16:10	Dr. Kausal Kumar Department of Applied Physics, IIT(ISM), Dhanbad	Upconversion nano-phosphors and their applications
16:10-16:20	Dr. Surya Harikrishnan Department of Atomic and Molecular Physics, Manipal University, Manipal	Application of LIBS for archaeological studies
16:20-16:30	Dr. Asheel Kumar Department of Physics, University of Allahabad, Allahabad	Bernstein mode heating of electrons in magnetic mirror
16:30-16:40	Mr. Pravin Kumar Tiwari Laser Spectroscopy Research Laboratory, Department of Physics, University of Allahabad, Allahabad	Absolute analysis of minerals in multivitamins drug using atomic spectroscopic techniques
16:40-16:50	Mr. E. Nageswara Rao Physical Research Laboratory Ahmedabad, Gujarat	Quantitative analysis of geological rock samples using LIBS
16:50-17:00	Mr. Rajendhar Junjuri Advance Centre in High Energy materials, University of Hyderabad, Hyderabad	Femtosecond and nanosecond LIBS studies for the classification of postconsumer plastics
17:00-17:10	Ms. J. Sumathi Dept. of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai	Analysis of salt samples using laser induced breakdown spectroscopy
17:10-17:20	Dr. Shuchi Srivastava Department of Civil Engineering, SPMIT, Kaushambi, Allahabad	Elemental assessment of the cholelithiasis samples (gallstone, lithogenic bile, blood, and urine) by laser induced breakdown spectroscopy
17:20-17:30	Ms. Swetapushpa Soumyashree Physical Research Laboratory, Ahmedabad, Gujarat	Concentration estimation of brass sample using synthetic generated LIBS spectra
17:30-17:40	Dr. Gulab Singh Maurya Department of Physics, Nehru Gram Bharati University, Allahabad	Qualitative and depth profile analysis of MOS_2 thin layer deposited on Si-wafer using LIBS technique
17:40-17:50	Dr. Rohit Kumar Department of Physics, CMP Degree College, Allahabad	Identification and quantification of toxic elements in environmental samples collected from industrial area
17:50-18:00	Dr. K. Veerappan Dept. of Electronics Engineering, Madras Institute of Technology, Anna University, Chennai	Laser induced breakdown spectroscopy for plant nutrient analysis

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TECHNICAL SESSION: ORAL PRESENTATION: 3

14:30-14:40	Dr. Renu Singh Department of Physical Sciences, PDM University, Bahadurgard, Haryana	Elemental investigation of medical grade water by laser induced breakdown spectroscopy
14:40-14:50	Mr. S. Abdul Kalam Advanced Centre of Research in High Energy Materials (ACRHEM), University of Hyderabad, Hyderabad	Femtosecond LIBS based standoff detection of explosive molecules
14:50-15:00	Dr. S. Kumar Department of Physics, Faculty of Engg. & Technology, V.B.S. Purvanchal University, Jaunpur	Elemental investigation of wheat grain by direct current optical emission spectroscopy
15:00-15:10	Mr. Abhishek K. Rai Department of Earth and Planetary Sciences, NSC, University of Allahabad, Allahabad	LIBS study of gypsum-an ideal terrestrial analogue
15:10-15:20	Dr. Dipendra Sharma St. Joseph's College for Women, Gorakhpur	Molecular Structure and IR Spectra of 4-n butyloxy-4'-cyanobiphenyl: A Nematic Liquid Crystal
15:20-15:30	Dr. Awadhesh Kumar Yadav Department of Physics, Govt. PG College, Saidabad, Allahabad	EPR and optical absorption study of Fe ³⁺ doped mono hydrated dipotassium Stannic chloride
15:30-15:40	Mr. Prashant Kumar Physical Research Laboratory, Ahmedabad-380009, Gujarat, India.	Estimation of number density from intensity ratio of self-absorbed lines
15:40-15:50	Dr. D. N. Pandey Vision Institute of Technology, ShahPurMadrak, Aligarh	Behaviour of electrical pressure with temperature <100>; <111>; tunnelling model with electric field along <100>; direction
15:50-16:00	Dr. Praveen Kumar Shahi Department of Physics, SPM Degree College, Allahabad	An assembly and interaction of upconversion and plasmonic nanoparticles on organometallic nanofibers: enhanced multicolor upconversion, downshifting emission and plasmonic effect
16:00-16:10	Dr. Ashok Kumar Pathak Department of Physics, Ewing Christian College, Allahabad	Laser Induced Breakdown Spectroscopy: Life science applications
16:10-16:20	Dr. Abhimanyu K Singh Department of Physics, SPM Degree College, Allahabad	Laser ablation of different materials for nano-material processing
16:20-16:30	Dr. Nilesh Kumar Rai Department of Physics, CMP Degree College, Allahabad	Implementation of Laser Induced Breakdown Spectroscopy in Plant Science
16:30-16:40	Dr. R. K. Anand Department of Physics, University of Allahabad, Allahabad	The study of converging shock waves in view of Mie-Gruneisen equation of state