



# 25<sup>th</sup> DAE-BRNS National Laser Symposium (NLS-25)

December 20 - 23, 2016

KIIT University, Bhubaneswar



## Poster Presentation : Day-2

Board No.	Paper ID	CP-ID	Title	Authors
1	8370	CP-1.28	Analytical Studies Of Spectral Beam Combining Technique For Scaling Of Fiber Laser Power	Anshu Singh Thakur,Kavita Rawal,Anand Mohan,Nishant Naveen,Naveen Kumar Verma,Marthan Reddy,
2	8372	CP-1.29	Studies On Optical Linear And Non-Linear Properties Of Cds Qds Prepared By Chemical Method And Microwave Method	Alina C Kuriakose,
3	8381	CP-1.30	Effect Of The Resonator Losses On The Spectral Bandwidth Of Amplified Chirped Laser Pulses In A Regenerative Amplifier	Surjith S ,Deepak Daiya,Rajesh Kumar Patidar,A S Joshi,Prasad Anant Naik,
4	8383	CP-1.31	Technical Issues In Development Of Narrow Linewidth High Power Mofa	Priti Sati,Shammi Wadhwa,Mukesh Singh,Rahul Sharma,N. K. Verma,M. N. Reddy,
5	8390	CP-1.32	Nonlinear Absorption Studies Of Substituted Anthracene Chalcone Derivatives	Amrita Saha,Vijay Shukla,Sudip Choudhury,J Jayabalan,
6	8400	CP-1.33	Observation Of Multi-Line Lasing In The 5 $\mu$ m Region From A LN2 Cooled Cw-CO <sub>2</sub> -N <sub>2</sub> -He Gas Discharge Tube Enclosed In A Non-Dispersive Cavity	Tatsat Dwivedi,Sai Prasad MB,Padma Nilaya J,Shailesh Kumar ,
7	8402	CP-1.34	Beam Quality Improvement By Intracavity Capillaries In Littrow And Gig Dye Lasers	V. K. Shrivastava,P. K. Shukla,G. N. Tiwari ,R. Khare,
8	8412	CP-1.35	Improved Performance Of An Excimer Laser Using A Novel Ballasting Uv Spark Pre-Ionizer	Amrendra Singh,N K Varshnay,B N Singh,N S Benerji,Bijendra Singh,
9	8416	CP-1.36	Design And Development Of A Compact High Voltage Pulser For Short Pulse Excimer Laser	N K Varshnay,A Singh,N S Benerji,Bijendra Singh,
10	8418	CP-1.37	Generation Of 1 Mj Pulse Energy From All-Fiber Small Core Yb-Doped Q-Switched Fiber Laser Using Mopa Configuration	Ravindra Singh,Usha Chakravarty,G. Srikanth,Rajpal Singh,B. N. Upadhyaya,K. S. Bindra,
11	8424	CP-1.38	50 Fs, 3 Nj Pulses From Stretched Pulse Yb-Doped Mode Locked Fiber Oscillator	Pradeep K Gupta,C P Singh,P K Mukhopadhyay,K S Bindra,



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12	8425	CP-1.39	Chair-Like Pulses In All-Normal Dispersion Ytterbium Doped Mode Locked Fiber Laser	Pradeep K Gupta,C P Singh,A J Singh,S K Sharma,P K Mukhopadhyay,K S Bindra,
13	8427	CP-1.40	A Krf Laser With Improved Beam Characteristics Using New Resonator Configuration	N S Benerji,Bijendra Singh,
14	8428	CP-1.41	All-Fiber Cw And Nano-Second Pulse Laser At 1940 Nm For Tissue Surgery	Debasis Pal,Ranjan Sen,Atasi Pal,
15	8447	CP-1.43	Random Lasing In Rhodamine-B Solution Dispersed With SiO <sub>2</sub> Nano-Scatterers	Sandeep K Agarwalla,Sunita Kedia,Sucharita Sinha,
16	8451	CP-1.44	Design And Development Of An Experimental Testbed For The Study Of Thermal Mode Instability In High-Power Fiber Lasers	Aditi Ghosh,Yusuf Panbiharwala,Deepa Venkitesh,Anil Prabhakar,Balaji Srinivasan,
17	8464	CP-1.45	A Study On Pump Beam Absorption Characteristics In Rubidium Vapour For The Development Of Diode Pump Alkali Laser	Ramakanta Biswal,Govind Kumar Mishra,Sachin Kumar Agrawal,Sudhir Kumar Dixit,Shankar V. Nakhe,
18	8467	CP-1.46	Development Of All Solid State Rf Powered 2 Kw Fast Axial Flow Co <sub>2</sub> Laser System	M S Bhagat,L B Rana,Abhik Biswas,B S Rawat,Jagdeesh ,Manoj Kumar,Rajiv Yadav,R Kaul,B Singh,
19	8468	CP-1.47	A Highly Efficient Compact Corona Pre-Ionized Tea Co <sub>2</sub> Laser	Manoj Kumar,A K Biswas,L B Rana,Jayesh Joshi,Tanmoy Biswas,Rajiv Yadav,R Kaul,B Singh, ,
20	8469	CP-1.48	Studies On Helium Free Operation Of A Tea Co <sub>2</sub> Laser	Manoj Kumar,A K Biswas,L B Rana,Jayesh Joshi,Tanmoy Biswas,Rajiv Yadav,R Kaul,B Singh, ,
21	8471	CP-1.49	Development And Characterization Of A 19 Khz Dye Laser Oscillator Pumped By Copper Bromide Laser	R. Khare,G. N. Tiwari,V. K. Shrivastava,R. K. Mishra,P. K. Shukla,
22	8472	CP-1.50	Power Extraction Scheme For Aprotic Liquid Laser	A K Varshney,Vinod Kumar Singh,Avinash C Verma,Gaurav Singhal,Mainuddin ,R K Tyagi,



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23	8475	CP-1.51	Role Of Dye Cell Gap On The Performance Of Output Characteristics Of High Repetition Rate Narrow Linewidth Dye Laser	G. K. Mishra,Abhay Kumar,O. Prakash,R. Biswal,S. K. Dixit,S. V. Nakhe,
24	8482	CP-1.52	Role Of Dye Cell Gap On The Performance Of Output Characteristics Of High Repetition Rate Narrow Linewidth Dye Laser	G. K. Mishra,Abhay Kumar,O. Prakash,R. Biswal,S. K. Dixit,S. V. Nakhe,
25	8483	CP-1.53	High Pulse Repetition Frequency, Nanosecond, Visible Type –I $\beta$ -Bab2o4 Optical Parametric Oscillator	C S Rao,Alok Ray,Sucharita Sinha,
26	8485	CP-1.54	Study Of Multi-Wavelength Generation In Yb-Doped Photonic Crystal Fiber Laser	Usha Chakravarty,Antony Kuruvilla,G Srikanth,Rajpal Singh,B.N. Upadhyaya,K.S. Bindra,
27	8357	CP-2.6	Development Of Laser Cutting Technology For In-Situ Removal Of Steam Generator Tubes For Condition Monitoring From Kknpp	R. K. Jain,Sabir Ali,Benny John,D.Ramesh ,B. K. Saini,Rajpal Singh,Ambar Choubey,D. K. Agrawal,S. C. Vishwakarma,B. N. Upadhyaya,K. S. Bindra,
28	8375	CP-2.7	3d-Direct Simulation Monte Carlo Simulation Of Free Jet Of Atomic Vapour	Jaya Mukherjee,Aditya Kumar Tiwari,
29	8413	CP-2.8	In-Situ Laser Cutting Of 18 Mm Thick Triangular Blocks Of Yoke Assembly In Raps-3 Reactor	D. K. Agrawal,Rajpal Singh,R. K. Jain,D. N. Sanyal,K. M. Bhawe,Basant Kumar Saini,Ambar Choubey,Prabhat Kumar,S. K. Sah,Manoj Kumar,A. A. Raju,V. Bhawsar,Dhruvadeep Narwat,Sabir Ali,M. K. Bairwa,S. C. Vishwakarma,B. N. Upadhyaya,R. Arya,S.
30	8443	CP-2.9	Laser Assisted Removal Of Uo <sub>2</sub> And Tho <sub>2</sub> Particulates From Metal Surface – Dependence Of Cleaning Efficiency On The Wavelength Of Exposure And Particulate Morphology	Aniruddha Kumar,Rb Bhatt,Pg Behere,Dj Biswas,



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31	8478	CP-2.10	Development Of In-Situ Laser Cutting Technique For Removal Of Single Selected Coolant Channel From Pressurized Heavy Water Reactor,	S.C. Vishwakarma,B.N. Upadhyay,D.N. Sanyal,Rajpal Singh,B.K. Saini,R.K. Jain,D.K. Agrawal,Amber Choubey,Sabir Ali,M.K. Bairwa,S.K. Sah,A.A. Raju,Manoj Kumar,V. Bhawsar,R. Arya,R.R. Barot,S.K. Deshmukh,S.F. Vhora,K.S. Bindra,
32	8242	CP-3.29	Metal Ion Doped Potassium Succinate - Succinic Acid Single Crystal-Violet Light Emitting Diode Application.	K Juliet Sheela,
33	8252	CP-3.30	Spectral Investigations Of Sm <sup>3+</sup> -Doped Niobium Phosphate Glasses	Srihari T,Praveena R,Jayasankar C.K,
34	8257	CP-3.31	Structural And Spectroscopic Characterisations Of Tio <sub>2</sub> -Zro <sub>2</sub> :Eu <sup>3+</sup> +Zno Hybrid Matrix	Prakashan V P,Sajna M S,Sanu M S,Cyriac Joseph,Unnikrishnan N V,
35	8258	CP-3.32	Fluorescence Studies Of Nd <sup>3+</sup> Ions Doped Oxyfluoroborosilicate Glasses For High Power Laser Applications	Megala Rajesh ,N John Sushma ,Rajiv Jain ,Shivanand Chaurasia ,G Devarajulu ,Siva Prasad Peddi ,O Ravi ,B Deva Prasad Raju ,
36	8264	CP-3.33	Higher Order Nlo Properties Of An Ionic Organic Stilabzoliium Derivative, 4-N, N-Dimethylamino-4-N-Methylstilbazoliium Meta-Nitrobenzenesulfonate (Dsmns)	Antony Raj A ,R Gunaseelan ,John Sundaram S ,Sagayaraj P ,
37	8268	CP-3.34	Growth, Optical, Spectral And Electrical Properties Of Dasc Single Crystal Grown By Capillary Rise Technique	S. John Sundaram,A. Antony Raj,Dominique ,P. Sagayaraj,
38	8283	CP-3.35	Sensing Properties Of Sno <sub>2</sub> Nanocrystalline Coated Optical Fiber In Liquid Petroleum Gas Medium	Mohamed Manjoor Shaib Maricar,Dillibabu Sastikumar,Ep Shuaib,Balusamy Renganathan,
39	8308	CP-3.36	Enhanced MIR Luminescence At 2.9 μm From Ho <sup>3+</sup> Activated Te-Ti-La Oxide Glass Under Sensitization With Yb <sup>3+</sup> Ions	Gaurav Gupta,Sathravada Balaji,Kaushik Biswas,Kalyandurg Annapurna,
40	8321	CP-3.37	Spectroscopic Studies Of Sm <sup>3+</sup> : Teo <sub>2</sub> - Zno - Nb <sub>2</sub> o <sub>5</sub> - Tio <sub>2</sub> Glasses	Suresh K., Kesavulu C. R., Venkataiah G.,Jayasankar C.K.,



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41	8322	CP-3.38	Study And Development Of Highly Efficient Long Pulse All Ceramic Nd:Yag Rod Laser	Ambar Choubey,M.K. Bairwa,R.K. Jain,Sabir Ali,S.C. Vishwakarma,V. Bhardwaj,B.N. Upadhyaya,K.S. Bindra,
42	8334	CP-3.39	Broadband 1.20 $\mu\text{m}$ Emission In Tm <sup>3+</sup> -Doped Oxyfluorosilicate Glasses For Fiber Amplifiers	C. S. DWARAKA VISWANATH,P. BABU,I. R. MARTIN,V. VENKATRAMU,V. LAVIN,C. K. JAYASANKAR,
43	8344	CP-3.40	Cavity Enhancement In Photoluminescence Of BaTiO <sub>3</sub> In 1-D Dielectric Microcavity	Shihab N K, Mohammed Rasi U P, Gangineni R B, Narayana Rao D,
44	8355	CP-3.41	A Comparison Of Co-Precipitation And Conventional Oxide Route For Synthesis Of Transparent Nd:Yag Laser-Host Ceramic	S K Pathak,Rachana Selvamani,S Karmakar,Gurvinderjit Singh,S M Gupta,V S Tiwari,
45	8356	CP-3.42	Growth Of Benzophenone Organic Crystal And Determination Of Its 2nd And 3rd Order Nonlinear Optical Properties	Sunil Verma,Bhrigu Raj Sharma,C. Debnath,S.K. Sharma,Y.P. Singh,R. Bhatt,K.S. Bartwal,P.K. Gupta,
46	8359	CP-3.43	Investigation On Domain Reversal Process In Congruent-LiNbO <sub>3</sub> Crystal	Toijam Sunder Meetei,Shanmugam Boomadevi,Krishnamoorthy Pandiyan,
47	8362	CP-3.44	Focal Length Quantification Of Water Microlens On Wettability Tailored Polymers	Jijo Easo George,Santhosh Chidangil,Sajan D. George,
48	8371	CP-3.45	Effects Of Ionizing Radiation On The Properties Of Co <sup>2+</sup> Written Regenerated Long Period Fiber Gratings	Smita Chaubey,Abhishek Parihar,Sanjay Kher,K.S. Bindra,
49	8387	CP-3.46	Spectroscopic Properties Of 2.5at. % Nd <sup>3+</sup> Doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> Transparent Ceramics: Judd-Ofelt Investigations	Rachna Selvamani,Sanjib Karmakar,Gurvinderjit Singh,S.M. Gupta,V.S. Tiwari,
50	8405	CP-3.47	Growth Of 1,3,5-Triphenylbenzene Optical Single Crystals For Device Applications	S. K. Sharma,Yeshpal Singh,Sunil Verma,K. S. Bartwal,P. K. Gupta,
51	8408	CP-3.48	Pyroelectric Investigation Of Gd Doped Sbn Single Crystal For Laser Radiation Detection Application	R. Bhatt,M. Soharab,B.K. Sajith,Indranil Bhaumik,N. Bhardwaj,A. Sexana ,A.K. Karnal



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52	8415	CP-3.49	Growth Of Trans-Stilbene Optical Crystal By Bridgman Technique For Device Applications	Sujan Kar,S. K. Sharma,Yeshpal Singh,Sunil Verma,K. S. Bartwal,P. K. Gupta,
53	8422	CP-3.50	Controlling Absorption Coefficient In Transparent Nd:Yag Ceramic	S. Karmakar,Neethu U,S. K. Pathak,R. Selvamani,G. Singh,S. M. Gupta,V. S. Tiwari,
54	8442	CP-3.51	Whispering Gallery Mode Laser Emission From Dye Doped Hollow Polymer Fiber	V R Anand,S Mathew,Jaison Peter,Boni Samuel,P Radhakrishnan,M Kailasnath,
55	8444	CP-3.52	Measurement Of Half-Wave Voltage Of Z-Cut Linbo3 Crystal Using Mueller Matrix Formalism	Chitra Shaji,Alok Sharan,
56	8454	CP-3.53	Investigation On Diffraction Efficiencies In 1-Dimensional Sinusoidal Transmission Gratings Using Integral Scalar Approach	Sanjiva Kumar,S Jena,Rupali S,R.B. Tokas,C. Prathap,K.D. Rao,D.V. Udupa,
57	8455	CP-3.54	The 1550 Nm Broad Emission Of Er <sup>3+</sup> Ions Doped Lithium Tungsten Tellurite Glasses Codoped With Silver Nanoparticle	Sachin Mahajan,Jetendra Parashar, ,
58	8489	CP-3.55	Development Of Broadband Antireflection Coating Using Oblique Angle Deposition Of Sio <sub>2</sub> Thin Films	R. B. Tokas,Shuvendu Jena,S. Thakur,N. K. Sahoo,
59	8110	CP-6.1	Development Of Protective Coating Of Alumina Over Rafms Alloy By Pulsed Laser Deposition Technique	S. P. Chakraborty,B.P. Badgujar,N.K. Chakraborty,G.K. Dey,
60	8122	CP-6.2	Laser Damage Threshold Measurement On Sr Method Grown Nadp Doped Glycine Phosphite Single Crystal	Supriya S,
61	8134	CP-6.3	Crystallographic Texture Study Of Pulsed Laser Deposited Chromia Thin Films	Arun Kumar Panda,Akash Singh ,R Divakar,P Parameswaran ,E Mohandas,
62	8150	CP-6.4	Optical Studies On Sm <sup>3+</sup> Doped Lead-Borate Glasses For Optoelectronic Applications	R. Nagaraj,R. Vijayakumar,K. Marimuthu,
63	8166	CP-6.5	Synthesis And Characterization Of Polycrystalline Lib <sub>3</sub> o <sub>5</sub> : Non-Centro Symmetry For The Exposure Of Piezoelectricity Based Applications	E Praveen,G Prabhavathi,K Jayakumar,



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64	8188	CP-6.6	Nonlinear And Linear Optical Properties Of Hollow Silver Nanoshells	Bhavesh Dadhich,S. Bhattacharya,P.K. Datta,S. Das,A. Priyam,
65	8194	CP-6.7	Laser Assisted Surface Modification Of Cp-Ti Alloy	K. Monisha ,M. Gunaseelan ,S. Arun Kumar ,J. Senthilselvan ,
66	8207	CP-6.8	Spectroscopic Studies On Er <sup>3+</sup> Doped Telluroborate Glasses For Optical Amplifier Applications	V. Uma,M. Vijayakumar,K. Marimuthu,G. Muralidharan,
67	8212	CP-6.9	Investigating The Effects Of Laser Annealing And Laser Shock Peening Of Tinicu Shape Memory Alloy Developed By Laser Additive Manufacturing	Shiva S,Palani I.A,Paul C.P,Singh B,
68	8223	CP-6.10	Laser Raman And Ionic Studies In Multiferroic Filler Based Polymer Electrolyte	Mrigank Mauli Dwivedi,Nidhi Asthana,Kamlesh Pandey,
69	8224	CP-6.11	Development Of Natural Fiber Dispersed Polymeric Electrolyte And Their Laser Raman And Ionic Mobility Study	Kamlesh Pandey,Nidhi Asthana,Mrigank Mauli Dwivedi,
70	8225	CP-6.12	Dielectric Relaxation Studies With Raman Micro Spectroscopy Of Hot Pressed Peo-Cnf Polymeric Membrane	Nidhi Asthana,Mrigank Mauli Dwivedi,Kamlesh Pandey,
71	8227	CP-6.13	Enhanced Capacitance Density And Low Leakage Current In Mgo/Tio <sub>2</sub> Nanolaminate Structures	Amit K Das,Pankaj Misra,R. S. Ajimsha,Vikas Sahu,B Singh,
72	8240	CP-6.14	Microstructure And Mechanical Properties Of Laser Surface Treatment Of Skt4 Tool Steel	N. Sivanandham ,A. Mahalingam ,A. Rajadurai ,S. M. Shariff ,
73	8249	CP-6.15	Raman Investigation Of The Hydrothermally Grown Zno Nanorods On Rigid And Flexible Substrates	Arokiyadoss Rayerfrancis,Balaji Bhargav P,Nafis Ahmed,Balaji C,
74	8278	CP-6.16	Pva-Assisted Pulsed Laser Ablation Synthesized Manganese Ferrite Nanomaterials	Abhishek Shukla,Abhishek K Bhardwaj, S. C. Singh, K. N. Uttam, Ram Gopal,
75	8284	CP-6.17	Modification Of Magnetic Properties Induced By Nd:Yag Laser Irradiation Of Nanocrystalline Nicuzn Spinel Ferrite	Ashok V. Humbe,T. S. Saraf,R Sunder,K. M. Jadhav,
76	8298	CP-6.18	Photostriction In Si Microcantilevers: Dependence On Laser Power And Its Position	M Raghuramaiah ,K Prabakar ,S Balasubramanian ,S Tripura Sundari ,



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77	8300	CP-6.19	Modelling And Simulation Of Laser Cladding Of Ni-Mo-Cr-Si Hardfacing Alloy Deposited On Ss316l Substrate	Reena Awasthi,Santosh Kumar,D Srivastava ,G.K. Dey,
78	8302	CP-6.20	Laser Surface Textured Metal Structure For Infrared Energy Harvester	Manikandan E,Padmalaya G,Sreeja B S,
79	8314	CP-6.21	Investigations On Nd:Yag Nanosecond Liquid Assisted Laser Ablation Of Rotating Target Towards The Generation Of Exact Spherical Al Nanoparticles	Sanet Kumar Meena,Nandini Patra,Vipul Singh,I. A. Palani,
80	8318	CP-6.22	Carrier Transport Studies In Ga Doped (Zn:V)O Thin Films Grown By Pulsed Laser Deposition	R S Ajimsha,P Misra,A K Das,B Singh,
81	8319	CP-6.23	Pulsed Laser Deposition Of Tin Oxide Thin Films For Field Emission Studies	Harshada Jadhav,Sachin Suryawanshi,Anil Kumar Singh,Mahendra More,Sucharita Sinha,
82	8333	CP-6.24	Study On Femtosecond Pulsed Laser Induced Surface Micro Texturing Of Ti6Al4v Alloy	Shazia Shaikh,Anil Kumar Singh,Sunita Kedia,Sucharita Sinha,
83	8358	CP-6.25	Thermal And Annealing Figures Of Merit For Indigenously Developed Nd Doped Phosphate Laser Glasses	Divya N Nair,G Gupta,Akhila P Desai,K Biswas,A Tarafder,Shashi Jain,Jyoti Sharma,R Chakraborty,K Annapurna ,A S Joshi,R Sen,P A Naik,
84	8361	CP-6.26	Sol – Gel Based Synthesis And Nonlinear Optical Characterisations Of Of Nano Zno	Ramya M,Vijesh K R,Nampoori V P N,Kailasnath M,
85	8363	CP-6.27	Investigating Track Geometry Of Inconel 718 For Laser Additive Manufacturing Of Micro-Channel Heat Exchangers	Shubham Saxena,A N Jinoop,U Kumar,C P Paul,D Nagpure,Y Ravikumar,B Singh,
86	8384	CP-6.28	Laser Irradiated Bsa-Gold Nanoparticle Conjugates	Jessy Simon,Pradeep C,Mathew S,V.P.N Nampoori,Kailasnath M,
87	8169	CP-8.1	A Compact Erbium Glass Eye Safe Laser With 10 Ns Pulse Duration	Sachendra Kumar Shrivastava,Palika Shrivastava,Arun Kokate,Sandeep Saxena,
88	8213	CP-8.2	Light Absorption In Metal Nanoparticle Doped High Energy Materials	P S L Kameswari D,Sai Shiva S,Prem Kiran P,





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89	8221	CP-8.3	Design And Development Of Efficient Transonic Iodine Injection Supersonic Nozzle For Chemical Oxygen Iodine Laser	Vinod Kumar Singh, Avinash C Verma, Veerendra Kumar, Gaurav Singhal, R K Tyagi,
90	8385	CP-8.4	Hardfacing Of Ni Based Tribaloy-T700 Alloy On Austenitic Stainless Steel 316l Using Laser Additive Manufacturing	S.K. Mishra, U. Kumar, C. H. Premsingh, C.P. Paul, B. Singh,
91	8406	CP-8.5	Optimization Of Process Parameters For Oxygen Assisted Pulsed Nd: Yag Laser Cutting Of 6 Mm Thick Mild Steel	Vijay Bhardwaj, Sabir Ali, Mahendra Bairwa, Prabhat Kumar, Rajpal Singh, Ambar Choubey, B. N. Upadhyaya, K. S. Bindra,
92	8446	CP-8.6	Water-Jet Assisted Laser Surface Hardening Of Medium Carbon Steel Using Fiber Laser	Sagar Sarkar, Ashish Kumar Nath,
93	8452	CP-8.7	Performance Comparison Of Surface Modification By Surface Remelting And Stellite-6 Cladding Using Fibre Laser For H13 Tool Steel Substrate	Debapriya Patra Karmakar, Muvvala Gopinath, Ashish Kumar Nath,
94	8458	CP-8.8	Striation-Free Cutting Of Mild Steel And Stainless Steel By Yb-Fiber Laser	Suvradip Mullick, Abhilasha Priyadarshini, Gopinath Muvvala, Ashish Kumar Nath,
95	8463	CP-8.9	Study On Laser Additive Manufacturing Of Gradient Nickel Layers On Copper	Ankita S, U Kumar, A N Jinoop, C P Paul, D Nagpure, B Singh, S B Ghosh, ,
96	ThP-01		Laser Welding Of 9cr-1mo(V, Nb) Ferritic/Martensitic Steel (Fms): Process Optimization And Modelling	Santosh Kumar
97	8104	CP-10.1	Study Of Renal Stone Using Libs And Ftir Spectroscopy	Brij Bir Singh Jaswal, Pradeep K Rai, Mohammad A Gondal, Vivek K Singh,
98	8135	CP-10.2	Digital Holographic Phase Tomography With A Rotating Source Beam Method	Priyanka Vora, Priyanka Rao, Vismay Trivedi, Swapnil Mahajan, Nimit Patel, Vani Chhaniwal, Bahram Javidi, Arun Anand,



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99	8136	CP-10.3	Laser Induced Fluorescence Measurements Of The Quenching Of Chlorophyll Fluorescence Induced By Silver Nanopartilces	Sweta Sharma, Abhishek Bhardwaj,Ram Gopal,K.N. Uttam,
100	8139	CP-10.4	Molecular Dynamics Of Interaction Between Chlorophyll And Zinc Oxide Nanopartilces: A Steady State Fluorescence Quenching Study	Sweta Sharma,K. N. Uttam,
101	8167	CP-10.5	Steady State And Time Resolved Laser Induced Fluorescence Measurements Of Titanium Dioxide Nanoparticles Treated Garlic Plants	Abhi Sarika Bharti,Nidhi Shukla,K. N. Uttam,
102	8183	CP-10.6	On The Axial Intensity Distribution Of Optical Traps In The Presence Of A Stratified Medium	Sourav Islam,Ratnesh Kr. Gupta,
103	8196	CP-10.7	Alteration Of Oxygen Affinity Of Red Blood Cells After Hypoxic Exposure	Aniket Chowdhury,Raktim Dasgupta,
104	8197	CP-10.8	Change In Oxygen Affinity With Echinocytic Shape Transformation Of Red Blood Cells	Aniket Chowdhury,Raktim Dasgupta,
105	8215	CP-10.9	Detection Of Morphological Changes In Cancerous Cervical Tissue Section Through Spatial Frequencies Of Mueller Matrix Images	Mohammad Zaffar,
106	8245	CP-10.10	Efficacy Of Iodinated Chlorin P6-Copper Complex For Photodynamic Treatment Of Cancer Cells	Paromita Sarbadhikary,Alok Dube,Pradeep Kumar Gupta,
107	8253	CP-10.11	Imaging The Effect Of Hemoglobin Change On Bio-Physical Parameters Of Rbc Using Self-Referencing Digital Holographic Microscopy	M Joglekar,H Shah,V Trivedi,S Mahajan,N Patel,V Chhaniwal,B Javidi,A Anand,
108	8256	CP-10.12	Lens-Less 3d Microscope For Cell Imaging	N. R. Patel,Swapnil Mahajan,Vismay Trivedi,A. K. Renganathan,Priyanka Vora,Vani Chhnaniwal,B. Javidi,G. Pedrini,W. Osten,Arun Anand,



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KIIT University, Bhubaneswar



## Poster Presentation : Day-2

Board No.	Paper ID	CP-ID	Title	Authors
109	8267	CP-10.13	Efficacy Of 830 Nm In Regulating Inflammation During Burn Wound Healing	Bharath Rathnakar,Vijendra Prabhu,Subhash Chandra,Bola Sadashiva Satish Rao,Krishna Kishore Mahato,
110	8275	CP-10.14	Synthesis And Structural Properties Of Nayf4:Yb3+/Er3+ Mesoporous Nanoparticles With Bright Upconversion Luminescence For Biomedical Application	Ramachari D,Lopez-Luke T,Cepeda-Perez E,Perez-Mayen L,De La Rosa E,Jayasankar C.K.,
111	8301	CP-10.15	Effect Of Low Level Laser Therapy On The Healing Of Diabetic Foot Ulcers- A Randomized Control Trial	R.K Mathur,K. Sahu,S. Saraf,P. Patheja,F. Khan,P.K. Gupta,
112	8312	CP-10.16	Femtosecond Laser Treatment Of Bio-Implants Exhibiting Resistance To Bacterial Adhesion	Shazia Shaikh,Deepti Singh,Sunita Kedia,Mahesh Subramanian,Anil Kumar Singh,Kulwant Singh,Sucharita Sinha,
113	8341	CP-10.17	Effect Of Three Pluronic Polymers On The Transport Of An Organic Cation Across An Artificial Membrane Studied By Second Harmonic Spectroscopy	Srinivasarao Kintali,Gopal Kishor Varshney,Kaustuv Das,
114	8352	CP-10.18	Cross Polarized Imaging System For Visualization Of Micro-Vasculature And Blood Flow In Swiss Albino Mice Ear In-Vivo	Mahesh Kumar Swami,Pankaj Kumar Kushwaha,Harishankar Patel,Sudhir Kumar ,Priyanka Sharma,Khageswar Sahu,Pradeep Kumar Gupta,
115	8360	CP-10.19	Development Of Data Acquisition And Control Unit For Laser Based Biological Simulant Detection In Closed Environment Scenario	Sushil Kumar,Abnish Kumar,Rishi Verma,Rajeev Kumar,N R Das,A K Razdan,
116	8365	CP-10.20	Investigation Of Biochemicals In The Green Capsicum Annum By Ft-Raman Spectroscopy	Nidhi Shukla,Abhi Sarika Bharti,Sweta Sharma,Neha Ojha,M. N. Deo,K. N. Uttam,
117	8106	CP-11.1	Focal Length Measurement Of Positive And Negative Lenses Using Lateral Shearing Cyclic Path Optical Configuration Setup	Y. Pavan Kumar,Sarvendra Singh Negi,M.P. Kamath,S.D. Sharma,



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Board No.	Paper ID	CP-ID	Title	Authors
118	8107	CP-11.2	Reduction Of Interferometric Spatial Coherence Artifacts Using A Ring Source And Rotating Diffuser.	Y. Pavan Kumar,Sarvendra Singh Negi,M. Pandurang Kamath,Sanjib Chatterjee,S.D. Sharma,
119	8137	CP-11.3	Measurement Of Coefficient Of Restitution Of Different Materials Using Indigenously Developed Rebound Velocity Meter	Nitin O Kawade,Ravi Dhawan,Aseem Singh Rawat,
120	8148	CP-11.4	Design And Development Of Rotating Diffuser For Reducing The Speckle Noise	Rishipal Singh,Y Pavan Kumar,Mp Kamath,Sarvendra Singh,Sd Sharma,
121	8152	CP-11.5	Modified Fiber Based Fabry Perot Interferometer For Vibration Sensing Using Quadrature Phase Signals	Anisha Acharya,Rushal Shah,Ravi Dhawan,Nitin O Kawade,