

NDE 2017 e-POSTER SCHEDULE

Day 1, THURSDAY, 14 Dec 2017, 15:30-16:30hrs, e-Poster Session – 1

Abstract No	Abstract Title	Author	Company
CP8	Tomographic algorithm for industrial plasmas	Sudhir Kumar Chaudhary	IITK, Kanpur, UP, India.
CP10	Design of Tomography system for industrial plasmas	Kavita Rathore	IITK, Kanpur, UP, India.
CP11	X-ray CT images from Truncated Projections	Shubhabrata Sarkar	IITK, Kanpur, UP, India.
CP18	Online Weld Monitoring Study using Infrared Thermal Imaging	P. Ramesh	IGCAR, Kalpakkam, TN, India
CP19	Crack classification in cementitious material under uniaxial compression using Acoustic Emission testing	Kabinesh Murugesan	NIT Trichy ,TN, India
CP25	Evaluation of passive RFID based sensor for wireless strain measurement	Krishna Prasath	IITM, Chennai, TN, India.
CP26	Non-Destructive Evaluation of Material Properties at High Temperature using Microwaves	Balamurugan T. Sivaprakasam	IITM, Chennai, TN, India.
CP27	Ultrasonic Testing of W Macro-brush Type Divertor Targets	Kedar Bhope	Divertor Technologies Division, Institute for Plasma Research, Ahmedabad, Gujarat, India
CP28	Infrared thermal imaging of Plasma Facing Components during High Heat Flux Testing at HHFTF	Mayur Mehta	Divertor Technologies Division, Institute for Plasma Research, Ahmedabad, Gujarat, India
CP30	Printed Circuit Board (PCB) based miniature eddy current probe for crack detection	Swathi Ramesh Muthyala	IITM, Chennai, TN, India.

CP43	Passive Wireless RFID Sensors for Structural Health Monitoring	Geetha Chakaravarthi	IITM, Chennai, TN, India
CP48	On the Sensitivity of System Calibration during Mass Spectrometric Helium Leak Detection in Large Vacuum Vessels	Venkat Ramani	Plasma & Vacuum Technologies, GIDC, Kathwada, Ahmedabad, Gujarat, India
CP56	Application of X-ray Synchrotron Imaging Beamline (BL-4) for Non-destructive Material Studies	Balwant Singh	RRCAT, Indore, MP, India
CP57	Eddy current thermography of angular slots in Cr-Mo steel plate	R. Justin Joseyphus	NIT Trichy, TN, India
CP58	Sensitivity analysis of defect detection in gas pipelines using wavelet analysis of velocity and acceleration time history	Saurabh Zajam	IITK, Kanpur, UP, India
CP60	Study of Reactor Structural Materials using Neutron Radiography	Shefali Shukla	BARC, Mumbai, India
CP63	Evaluation of Failure Modes in Composite Structures using Acoustic Emission Method	V. Malolan	ASL, DRDO, Hyderabad, Telangana, India
CP140	Metamaterial perfect absorber based on Mie scattering phenomenon	Vineeth P. R.	IITM, Chennai, TN, India.

Day 2, FRIDAY, 15 Dec 2017, 10:30-11:30hrs, e-Poster Session – 2

Abstract No	Abstract Title	Author	Company
CP86	Acoustic Emission Characteristics of Cement Concrete subjected to Uniaxial Loading	Navnika Sudhir	IISc, Bangalore, Karnataka, India
CP90	Visual Examination Assisted RCA Of Cracks In Thin Walled Duplex Stainless Steel Welds	Kuldip Kumbephalkar	Praj Industries Limited, Sanaswadi Pune, India
CP92	Data fusion of multi-NDE techniques for enhanced detection of flaws in small diameter tubes	Ajay C.	NIT Trichy, TN, India
CP94	Elimination of outgassing effect and determining real leak during evacuation for Helium Leak Testing	Prakash Chaudhari	Praj Industries Limited, India
CP109	X-ray Computed Tomography for estimation of Density Variations in Heterogeneous Materials	K. P. Jithindas	NIT Trichy, TN, India
CP110	Ultrasonic inspection of thick turbine rotor using conventional and phased array techniques	P. Akhil	NIT Trichy, TN, India
CP112	Underwater simulation studies on detection of protrusion of fuel sub-assemblies using 1/10th model of PFBR core	K.V. Roshith	NIT Trichy, TN, India
CP116	Three dimensional inductive imaging of cylindrical objects	B. Sachin	IGCAR, Kalpakkam, TN, India
CP120	Hidden Corrosion InTig Welded Aluminium Sample	Anto Brolin R. V.	NIT Trichy, TN, India
CP123	M-HULL: An automated surface & underwater inspection robot with split hull	Vishakh S Kumar	IITM, Chennai, TN, India.
CP126	Measurements of Residual Stresses in Austenitic Stainless Steel Weld Joints by Ultrasonic Lcr Waves Technique	Godugu Avinash	NIT Trichy, TN, India
CP127	Magnetic Hysteresis-loop and Barkhausen Emission for characterization of Recovery and Recrystallization	Siuli Dutta	CSIR-NML, Chennai, TN, India

CP131	FBG sensing system to study the Bridge Weigh-In-Motion	Sravanthi Alamandala	NIT Warangal, Telangana, India
CP135	Accelerated corrosion and immersion C scan studies on metal inert gas welded Al 5052 and comparison between heat affected zone and base metal	Aravindh S.	NIT Trichy, TN, India
CP137	Ultrasonic testing simulations to study the influence of probe focal length and tilt on flaw detection	Soundarya B.	VIT University, India
CP138	Defect depth calibration in composites by pulse thermography	Swarup Kumar Majee	ASL, DRDO, Hyderabad, Telangana, India
CP142	Numerical Simulation of Elastic Wave Propagation through materials with varying Anisotropy	S. Anantha Mahadevan	College of Engineering, Trivandrum, Kerala, India
CP149	Delamination characterisation through wavefield visualisation and wavenumber estimation of guided waves	Rabi Sankar Panda	IITM, Chennai, TN, India, India

Day 2, FRIDAY, 15 Dec 2017, 15:30-16:30hrs, e-Poster Session – 3

Abstract No	Abstract Title	Author	Company
CP219	One dimensional FDTD simulation of finite amplitude wave propagation through polycrystalline material	Mini R. S.	College of Engineering, Trivandrum, Kerala, India
CP224	Quantitative Defect Detection in Concrete using Step Heating Thermography: Numerical Approach	Sharath D.	Ramaiah Institute of Technology, Bangalore, Karnataka, India
CP150	Distributed Temperature Measurement using Ultrasonic Waveguide Sensor	Nishanth R.	IITM, Chennai, TN, India
CP157	Finite Element Modelling of Nonlinear Elastic Wave Mixing through a Guided Medium	Krishnadas V. K.	IITM, Chennai, TN, India
CP160	Focusing of ultrasonic waves using cylindrical waveguides for Ultrasonic Non-Destructive Evaluation	Manjunath C. T.	IITM, Chennai, TN, India
CP177	Compact bio inspired robot for septic tank and sewer line inspection	Kranthi Chaitanya S.	IITM, Chennai, TN, India.
CP180	Transformation of wavefront curvature using holey wedges	Sai Aditya Raman Kuchibhatla	IITM, Chennai, TN, India
CP187	Interaction of Fundamental Guided Wave Modes with Vertical Cracks in Laminated Composite Plate Structures: A General Study	Saurabh Gupta	IITM, Chennai, TN, India
CP194	In-situ cure monitoring of the composite laminate using FBG	Tabjula L Jagadeeshwar	IITM, Chennai, TN, India
CP195	Wavelet based defect identification in additive manufactured components using laser ultrasonics	Geo Davis	IITM, Chennai, TN, India
CP199	Guided wave ultrasonic inspection using Magnetostrictive sensor on High-temperature pipeline systems	Renjith Puthusseri	IITM, Chennai, TN, India
CP209	Qualification of Stainless Steel Pipes using Ultrasonic C-Scan Imaging Technique	D. Chitra	IGCAR, Kalpakkam, TN, India

CP210	Bidirectional nature of Guided Waves generation in SHM of high temperature pipelines using MsS	M Venkata Sai Siva Ramakrishna	IITM, Chennai, TN, India
CP214	Laser line thermography for cracks detection at high temperature	Nithin Puthiyaveettil	IITM, Chennai, TN, India.
CP215	Basalt Fiber Reinforced Composites: Thermal characterization and depth prediction by long pulse infrared thermography	Kalyanavalli V.	NIT Trichy, TN, India
CP216	Application of Infrared Thermography for DC-DC Converter Repair and Rework	M. Menaka	IGCAR, Kalpakkam, TN, India
CP227	Online monitoring of Cold Metal Transfer (CMT) welding using IR thermography	Nithin Puthiyaveettil	IITM, Chennai, TN, India.
CP252	Interaction of Shear Horizontal (SH) waves with adhesive lap joints	Dileep Koodalil	IITM, Chennai, TN, India / Arian Group, Avenue du, France

Day 3, SATURDAY, 16 Dec 2017, 10:30-11:30hrs, e-Poster Session – 4

Abstract No	Abstract Title	Author	Company
CP277	Development of methodology for measurement of gap between Poison Injection Tube and Calandria Tube in Pressurized Heavy Water Reactor	T. V. Shyam	BARC, Mumbai, India
CP235	Studies on Behavior of Fire Affected Concrete using Non Destructive Testing Techniques	Daniel Paul T.	Karunya University, Chennai, TN, India
CP236	Defect Detection and Characterization Using Pulsed IR Thermography in Transmission Mode	Mithun P. M.	NIT Trichy, TN, India
CP241	Guided Lamb wave generation in thin plates using a Very high frequency focused PVDF transducer.	Anoop U.	IITM, Chennai, TN, India
CP242	Shear Horizontal Mode Interaction with Plates of Different Edge Conditions	Nived Suresh	IITM, Chennai, TN, India
CP245	Defect size and depth characterization using Shear Horizontal modes	Nived Suresh	IITM, Chennai, TN, India
CP251	3-D finite element modelling of EMAT transducers	Dileep Koodalil	IITM, Chennai, TN, India / Arian Group, Avenue du, France
CP156	Modelling the propagation of nonlinear elastic waves using finite-difference time domain method	Shivaprasad S.	IITM, Chennai, TN, India
CP261	An Approach for Guided Wave mode filtering	Sandeep Kumar S. R.	IITM, Chennai, TN, India
CP263	Improved Resolution in Guided Wave Testing	John Birir	IITM, Chennai, TN, India
CP267	Development of an online health monitoring method of concrete in modified structures	Wilson Macharia Kairu	IITM, Chennai, TN, India
CP268	Corrosion detection in water wall panels using Axial-HOMC	Akhil B. S.	IITM, Chennai, TN, India
CP274	Applicability of SASW method for subsurface structural evaluation of layered asphalt pavements	Amit Goel	BITS Pilani, Rajasthan, India

CP290	Robotic inline inspection and leak detection system for oil and gas pipelines	Ramineni Ajayraj	IITM, Chennai, TN, India
CP291	Role of NDE in Development of Special Steel Heavy Forgings for Indian NPPs	S.J.H. Zaidi	Nuclear Power Corporation of India Limited, India
CP295	Probability of Defect Detection (PODD) in weld connection T-Joint configuration, full penetration weld by Ultrasonic Testing	R. Baskar	BIT Inspection Technology, Chennai, TN, India