



Day – 3: November 28, 2015 Parallel technical sessions

Session 5D : Modeling and Simulation in NDE-I

Room No : MRG0.5

Session Chair : Dr Prabhu Raj Gopal, IITM

Paper No:	Title of Talk	Authors	Institution	Time
212-I	Finite Element Modeling of Ultrasonic Guided Wave Propagation in Visco-elastic Media with Frequency Domain Analysis	Bikash Ghose	DRDO/ HEMRL	1130-1200
156-C	Finite element study of scattering of guided wave modes in thick austenitic stainless steel welds	M.M. Narayanan, Anish Kumar B. Purna Chandra Rao	IGCAR	1200-1215
86-C	Using 3D image data beyond visualization for NDE and material characterization: numerical analysis techniques	Yash Agarwal	Simpleware Ltd	1215-1230
58-C	Simulation and Experimental Validation of Pulsed Thermography Experiment for Damage Quantification	Aparna Gajendragadkar	NAL	1230-1245
213-C	Ultrasonic Guided Wave Propagation in Steel-Rubber Structure – Simulation and Experimental Study	Bikash Ghose, C V Krishnamurthy, Krishnan Balasubramaniam	DRDO/ HEMRL	1245-1300
85-C	Advances in NDE and Image-Based Modelling for Automotive and Defense	Theo Verbruggen	Simpleware Ltd	1300-1315
164-C	3D Elastic wave propagation and Heat diffusion studies using polycrystalline material models	S Shivaprasad ¹ Sreedhar Unnikrishnakurup ¹ , Sundararajan Natarajan ² , Krishnan Balasubramaniam ¹ , C V Krishnamurthy ³	IITM	1315-1330