



## Day – 2: November 27, 2015 Parallel technical sessions

**Session 3C** : NDE in Aerospace: Non-Metallic Components  
**Room No** : MRG0.4  
**Session Chair** : P V Sai Suryanarayana, SHAR, ISRO

Paper No:	Title of Talk	Authors	Institution	Time
91-C	NDE of Solid Rocket Motor Critical Interfaces using Long Range Ultrasonic Testing.	VK Ravindran <sup>+</sup> , PV Sai Suryanarayana <sup>&amp;</sup> , Seka Nataraj <sup>+</sup> , B. Karthikeyan <sup>&amp;</sup> , S Somanathan, SS Manna <sup>+</sup> , R Sumangali <sup>+</sup> and Dr. B Valsa <sup>+</sup>	ISRO/VSSC	1430-1445
101-C	Non-Destructive Evaluation of Electronic Components for Aerospace Applications	G.Kamalakar, Mukesh Kumar, S.GiridharRao	DRDO/ASL	1445-1500
116-C	Damage Evolution Studies in Carbon Fiber Reinforced Polymer Composites using Active and Passive Thermography	Sukanta Das <sup>1</sup> , Dr. Gangadharan Raju <sup>2</sup> , Naresh Reddy <sup>3</sup>	IITH	1500-1515
93-C	Air coupled Ultrasonic Testing for in-situ integrity evaluation of multi-layered interfaces of composite case - insulation bond-lines	VK Ravindran <sup>+</sup> , PV Sai Suryanarayana, <sup>&amp;</sup> Sekar Nataraj <sup>+</sup> , PVS Kurmanath <sup>&amp;</sup> , S Somanathan <sup>+</sup> SS Manna <sup>+</sup> , R Sumangali <sup>+</sup> and Dr. B Valsa <sup>+</sup>	ISRO/VSSC	1515-1530
122-C	Quantitative Assessment of Impact damage in Composites by IR Thermography	YLVD Prasad <sup>1</sup> , Dr. S.K. Majee <sup>*1</sup> , P. Ramasubba Reddy <sup>2</sup> , A.O. Siddiqui <sup>1</sup> , Dr. V. Madhu <sup>2</sup> , BVS Murthy <sup>1</sup>	DRDO/ASL	1530-1545
159-C	Application of Non-Contact Ultrasonic Testing for Interface Inspection of Multi-layered Pressure Vessels	AhireNitin*, Kumar Satveer Khan Lubna S, Mali Umesh, Rao T V J, Mehta P K	DRDO/ACE M, TBRL	1545-1600
163-C	Rapid non-contact guided ultrasonic method for inspection of hidden and curved regions in composite aerospace structures	Dileep Koodalil	IITM	1600-1615
205-C	A study on the application of conventional and digital radiography systems on NDE of critical launch vehicle components	Madheswaran G, Ramesh Kumar KG, Ratheesh S, Elizabeth John	ISRO/VSSC	1615-1630