



Day – 3: November 28, 2015 Parallel technical sessions

Session 5C : Application of NDE for Residual Stress Estimation

Room No : MRG0.4

Session Chair : Dr G Madhusoodan Reddy, DMRL

| Paper No: | Title of Talk | Authors | Institution | Time |
|-----------|--|--|---|-----------|
| 79-I | Residual stress evaluation in as cast and forged rolls using magnetic techniques | G.V.S.Murthy A.K.Panda, R.K.Roy, Abhishek kr Singh, Mr.Amit Prakashand A.Mitra | NML | 1130-1200 |
| 96-C | Evaluation and Analysis of Residual-Stress in Dissimilar Weld-Joint by FEM | Nataraj JR ^{*1} , M.Krishna ¹ , Vikram NB, Vijayakumar MN ¹ , Vijayavithal Illal ² | R.V. College of Engineering | 1200-1215 |
| 84-C | Internal Oxide Testing of Boiler Tubes for Residual Life Assessment | Helmut Wolf | QNET Quality Network | 1215-1230 |
| 192-C | Magnetic Barkhausen emission technique for evaluation of residual stresses in P91 weldments | K. V. Rajkumar, S. Mahadevan, Anish Kumar B. Purna Chandra Rao | IGCAR | 1230-1245 |
| 251-C | Electromagnetic Non-destructive Evaluation of Residual Stress in Ultra Low Carbon Steel Subjected to Fatigue | A.K. Panda, Subhash Koner ¹ , Avijit Metya, R.K.Roy, Amitava Mitra | National Institute of Technology, Tiruchirappalli, | 1245-1300 |
| 147-C | Comparison of welding induced residual stresses austenitic and ferritic steel weld joints | Dr. K.V.Rajkumar | IGCAR | 1300-1315 |
| 255-C | A Study on Residual Stress Distribution in the Dissimilar Metal Electron Beam Weldments of Ultrahigh Strength Steels | P.Venkata Ramana, P.Mastanaiah G.Madhusudhan Reddy | Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad | 1315-1330 |