

CURRICULUM VITAE

Himadri Roy, born on July 29, 1979 in Jharkhand, received his Bachelor of Technology (Metallurgy) degree from Regional Engineering College, Durgapur, (presently known as National Institute of Technology, Durgapur), in 2002. He joined as a Junior Research Fellow (J.R.F) at the Material Science and Technology Division of National Metallurgical Laboratory, Jamshedpur, in 2003. He completed his Masters (M.Tech) degree from Indian Institute of Technology, Kharagpur in 2005. His keen interest in research has led him to join the Department of Metallurgical and Materials Engineering, Indian Institute of Technology, Kharagpur as a sponsored research scholar to pursue his doctoral work. He later on shifted to Central Mechanical Engineering Research Institute (CMERI) as Scientist in 2006, where he is presently employed.

His main area of specialization includes mechanical behaviour of materials, fracture mechanics, Non-Destructive Testing (NDT), Residual Life Assessment (RLA) and failure analysis of engineering materials. He has acquired Level-II certificate in ultrasonic testing from American Society for Non Destructive Testing (ASNT). He is an associate member of The Indian Institute of Metals (IIM). He is a keen researcher having approximately 30 publications in various journals and conferences. A part of the results contained in the present thesis has been published as shown below (only referred journals):

1. Roy, H., Sivaprasad, S., Tarafder, S. and Ray, K.K. (2009), Monotonic vis-à-vis cyclic fracture behaviour of AISI 304LN stainless steel, Engineering Fracture Mechanics, Vol. 76, Issue 12, pp. 1822-1832.
2. Roy, H., Sivaprasad, S., Tarafder, S. and Ray, K.K. (2010), Crack tip damage mechanism under monotonic and cyclic loading conditions, Key Engineering Materials, Vol. 417-418, pp. 105-108.
3. Roy, H., Parida, N., Sivaprasad, S., Tarafder, S. and Ray, K.K. (2008), Acoustic emission during fracture toughness tests of steels having varying ductility, Materials Science & Engineering A, Vol. 486, pp. 562-571.
4. Roy, H., Bar, H.N., Sivaprasad, S., Tarafder, S. and Ray, K.K. (2008), Acoustic emission during monotonic and cyclic fracture toughness tests of 304LN weldments, International Journal of Pressure Vessels and Piping, Vol. 87 (2010), pp. 543-549.
5. Roy, H., Sivaprasad S., Tarafder S. and K.K.Ray. Cyclic fracture behaviour of 304LN stainless steel under load and displacement control modes. Accepted in Fatigue and Fracture of Engineering Materials and Structures, DOI:10.1111/j.1460-2695.2011.01596.x.