

VITAE

Born on 2nd January, 1978 at Ramchandrapur (Hooghly, West Bengal), **Goutam Mukhopadhyay** completed his graduation in Bachelor of Engineering with first class in the field of Metallurgical Engineering from Jadavpur University, West Bengal in the year 2001. He joined Tata Steel Ltd., Jamshedpur in the same year and worked in several Departments like Iron Making Technology Group, Blast Furnaces, and Scientific Services. In 2006, he successfully completed the Graduate Aptitude Test in Engineering (GATE - 2006) and joined the Indian Institute of Technology, Kharagpur to pursue Ph.D programme because of his keen interest in research. He has participated in several national and international conferences to present his work, apart from attending a number of work shops and training programmes including one at McMaster University, Canada in 2003. A major part of his work incorporated in this thesis has already been published in a few peer reviewed International Journals or are presented in National or International conferences, a list of which is included in the following page. His major research interests are in physical and mechanical metallurgy of iron based alloys apart from engineering failure analysis.

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List of Publications from this Investigation

International Journals

1. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2009), Strength Assessment of Spot-welded Sheets of Interstitial Free Steels, Journal of Materials Processing Technology, Vol. 209, pp. 1995-2007.
2. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2009), Effect of Pre-strain on the Strength of Spot-welds, Materials and Design, Vol. 30, pp. 2345-2354.
3. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2009), Strength of Spot-welds in Corrosive Environment, Materials and Corrosion, Vol. 60, Manuscript ID maco.200905427.
4. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2009), Effect of Baking on Spot Welds of a Pre-strained Ultra Low Carbon Bake Hardening Steel Sheet, accepted in Materials and Manufacturing Processes.
5. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2010), Impact Toughness of Spot-welded Joints on Interstitial Free Steels, accepted in Materials Science and Technology.

International Conferences

6. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2008), On the Quality Control of Mechanical Properties of Spot-welded Joints, International Conference on Advances in Manufacturing Technology, Chennai, 6-8 February 2008, CD-ROM (Paper ID. C129), p. 125.
7. Ray, K. K. and **Mukhopadhyay, G.** (2009), Structural Integrity of Spot-welds Used for Auto-body Fabrication, AMPT 2009, Advances in Materials and Processing Technologies, Kuala Lumpur, Malaysia, 26 - 29 October 2009, CD-ROM (Paper ID. 674), p. 56.

National Conferences

8. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2007), Overload Failure of Spot Welded Joints of Interstitial Free Steel Sheets, NMD-ATM-2007, Mumbai, 14-16 November, p. 209.
9. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2008), Deformation Behaviour of the Spot-welds of Pre-strained Steel Sheets, NMD-ATM 2008, Delhi, 13-16 November, p. 129.
10. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K. K. (2009), Corrosion Behaviour of Spot-welds on Interstitial Free Steel Sheets, NMD-ATM 2009, Science City, Kolkata, 16-17 November, p. 341.
11. **Mukhopadhyay, G.**, Bhattacharya, S. and Ray, K.K. (2010), Impact Tensile Toughness of Spot Welds on Interstitial Free Steels, NMD-ATM 2010, Indian Institute of Science, Bangalore, 14-16 Nov., pp.124-125.