

McMaster Steel Research Centre Student/Post Doc Profile

Name: **Morteza Ghasri**

Department: Materials Science & Engineering

Supervisor: Dr. Joseph McDermid

Research Topic: Microstructure and Mechanical Properties of High Manganese Steels

Year Started: 2010

Expected Completion: 2015

Degrees Completed: **MASc**
Isfahan University of Technology, 2008

Research Interests:

Physical Metallurgy of Steels
Relations between Microstructure and Mechanical Properties
Heat Treatment of Steels

Career Objectives:

I would like a job where I can use my abilities to conduct research on composition-microstructure-mechanical property relationships in high strength steels.

Professional Memberships:

AIST
ASM
TMS

Publications:

1. **M. Ghasri-Khouzani** and J.R. McDermid, "Effect of carbon content on the mechanical properties and microstructural evolution of Fe-22Mn-C steels", *Materials Science and Engineering A*, Vol. 621, p. 118-127, 2015
2. **M. Ghasri-Khouzani**, M. Bruhis, J.R. McDermid, "Effect of carbon gradient on the microstructure and mechanical properties of Fe-22Mn-C TWIP/TRIP steels", *Advanced Materials Research*, Vol. 922, p. 195-200, 2014.
3. **M. Ghasri-Khouzani** and J.R. McDermid, "Homogenous and carbon graded Fe-22Mn alloys: Microstructure and mechanical properties", *MS&T 2012 Conference Proceedings*, p. 337-345, Pittsburgh, PA, October 2012.
4. **M. Ghasri-Khouzani**, M. Meratian, M. Panjepour, "Effect of mechanical activation on structure and thermal decomposition of aluminum sulfate", *Journal of Alloys and Compounds*, Vol. 472, No. 1-2, p. 535-539, 2009.