

Srikant Gollapudi

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Education

Ph.D., Materials Science and Engineering Jan 2005 – Jul 2007
Minor: Nuclear Engineering
North Carolina State University, USA

M.E., Metallurgy Aug 2002 - July 2004
First Class with Distinction
Indian Institute of Science (IISc), Bangalore, India

B.E., Metallurgy Aug 1998 - May 2002
Honors
National Institute of Technology, Rourkela, India

Professional Experience

Summary

Materials engineer with experience in processing, characterization and structure-property correlations of different materials as used by aerospace, automotive, construction and nuclear industry.

Indian Institute of Technology, Bhubaneswar July 2017 onwards
Assistant Professor, School of Minerals, Metallurgical and Materials Engineering

Saint-Gobain Research India, Chennai, India Oct 2012 – June 2017
Team Leader/Senior Research Engineer

Massachusetts Institute of Technology, USA June 2010-Aug 2012
Post-doctoral associate, Department of Materials Science and Engineering

Defence Metallurgical Research Laboratory, India Aug 2008-May 2010
Scientist, Titanium Alloy Group

General Motors Technical Centre India, Bangalore, India Nov 2007-May 2008
Research Associate

Publications/Patents/Conferences

- 14 publications in peer reviewed international and national journals.
- 5 patent filings
- 1 book chapter
- 14 presentations in national and international conferences
- Invited talks at IIT Madras and University of Hyderabad

Selected publications/Patents

- *G. Srikant*, N. Chollacoop and U. Ramamurty, Plastic strain distribution underneath a Vickers indenter: Role of yield strength and work-hardening exponent, **Acta Materialia**, 54 (2006) 5171-5178.
- *S. Gollapudi*, I. Charit and K. L. Murty, Creep mechanisms in Ti-3Al-2.5V tubing under closed end internal gas pressurization, **Acta Materialia**, 56 (2008) 2406-2419.
- *S. Gollapudi*, R. Sarkar, U. Chinta Babu, R. Sankarasubramanian, T. K. Nandy and A. K. Gogia, Microstructure and mechanical properties of a copper containing titanium alloy, **Materials Science and Engineering A**, 528 (2011) 6794-6803.
- *S. Gollapudi*, Grain size distribution effects on the corrosion behavior of materials, **Corrosion Science**, 62 (2012) 90-94.
- *S Gollapudi*, C. A. Schuh *et al.*, Quarternary Silicon Composite, **PCT/US2014/022682**.
- *S Gollapudi*, A Kalanad, M Sharma, S Bulusu, Earthquake resistant construction element, **WO2017077548 A1**

Awards & Recognitions

- Best poster prize in 5th international conference on creep, fatigue and creep-fatigue interactions, CF-5, Kalpakkam, September 2008.
- Recognized as an Excellent Reviewer by the journal Metallurgical and Materials Transactions A
- Acta Journals Outstanding Reviewer Award, 2016

Professional Affiliations and Activities

- Life member of Materials Research Society of India
- Reviewer for journals such as Acta Materialia, Scripta Materialia, Metallurgical and Materials Transactions A, Journal of Applied Physics, Materials Science and Engineering A, Corrosion Science, Acta Electrochimica.