

Dr. PULI RAMESH

Senior Lecturer Metallurgical
Engineering
Government Polytechnic
Visakhapatnam – 530007, Andhra Pradesh
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rameshpuli2000@gmail.com

**EDUCATION PROFILE:**

Course	Institute	Year of Passing
Ph.D	Metallurgical & Materials Engineering Department Indian Institute of Technology Madras	Dec' 2012
Master of Technology	Metallurgical & Materials Engineering Department Indian Institute of Technology Madras	July 2009
Bachelor of Technology	Indian Institute of Metals, Kolkata	March 1995

PROJECT/ RESEARCH TITLES:

M.Tech	Synthesis and Characterization of Carbon Nanotubes – Conducting Polymer Composites for Flexible Solar Cells Manufacturing
Ph.D	Microstructures and Properties of Friction Surfaced Stainless Steel Coatings
Post-Doc	<ul style="list-style-type: none"> - Transition Joints of Dissimilar Metals Used for High Temperature Applications - Additive Manufacturing & 3-D Printing of Bio-Metallic materials

SKILLS:

Technical	<p>Process Techniques: Additive Manufacturing , Solid state surface Coatings, Thin coatings, Friction Stir Welding & Allied Processes</p> <p>Materials Characterization: Optical Microscopy, Electron Microscopy, X-ray Diffraction analysis, thermal analysis, SEM & TEM sample preparation , Diffraction pattern analysis, EBSD, Raman Spectroscopy</p> <p>Mechanical Testing: Hardness testing (Macro & Micro), Tensile Testing, Impact Testing, Bend Testing</p> <p>Corrosion Testing: Chemical and Electro-Chemical Methods</p>
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WORKING EXPERIENCE:

- 2013-2014: Post-Doctoral Fellow/ Research Associate at University of Utah, Salt Lake City, US.
- 1997 –Till to date: As a faculty member in the Department of Technical Education, Andhra Pradesh, India.
- 1995 – 1997: As a quality control Engineer in Pennar Steel Limited, Hyderabad, India.

ACADEMIC ACHIEVEMENTS:

- N.B. Sen award in 1995 from the Indian Institute of Metals, Kolkata for achieving highest marks in that academic year in the Part-II exams.
- All India 26th rank in Graduate Aptitude Test Exam (GATE) conducted by Government of India in the year 2007.
- Ph.D and Post Doctoral work is published in the reputed international journals (7 Papers) and in Three international conferences (Details are enclosed as a separate sheet)
- Reviewer to scientific journal of Defense Technologies, Surface & Coatings Technologies, and Materials & Design

PROFESSIONAL REFERENCES:

1. Dr. G. D. Janaki Ram, Associate Professor, Department of Metallurgical and Materials Engineering, IIT Madras, Chennai-600036.
Phone: +91-44-22574780; Email: jram@iitm.ac.in
2. Prasada Rao Kalvala, Research Professor, Metallurgical Engineering, University of Utah, Salt lake city, UT-84112, USA.
Phone: 801-581-6386; Email: Prasad.Kalvala@utah.edu
3. Manoranjan Misra, Chair & Professor, Renewable Energy Center, Metallurgical Engineering, University of Utah, Salt lake city, UT-84112, USA
Phone: 801-581-6386; Email: Mano.Misra@utah.edu

PERSONAL INFORMATION:

Name	: PULI RAMESH
Father's name	: RAMA KRISHNA
Mother's name	: KRISHNAKUMARI
Marital Status	: Married
Spouse's name	: SRI LAKSHMI
Date of birth	: 5 th June 1973
Languages known	: English, Hindi, Telugu
Permanent address	: 303, Veda Legacy Apartment, Phool Bagh, Vizianagaram - 535002 Andhra Pradesh, India
Nationality:	Indian

PUBLICATIONS DETAILS:

I REFEREED JOURNALS

1. **Ramesh Puli, E. Nandha Kumar, and G.D. Janaki Ram** (2011) Characterization of friction surfaced martensitic stainless steel (AISI 410) coatings. *Transactions of the Indian Institute of Metals*, **64**, 41-45.
2. **Ramesh Puli and G.D. Janaki Ram** (2012) Corrosion performance of AISI 316L friction surfaced coatings. *Corrosion Science*, **62**, 95-103.
3. **Ramesh Puli and G.D. Janaki Ram** (2012) Microstructures and properties of friction surfaced coatings in AISI 440C martensitic stainless steel. *Surface & Coatings Technology*, **207**, 301-318.
4. **Ramesh Puli and G.D. Janaki Ram** (2012) Wear and corrosion performance of AISI 410 martensitic stainless steel coatings produced using friction surfacing and manual metal arc welding. *Surface & Coatings Technology*, **209**, 1-7.
5. **Ramesh Puli and G.D. Janaki Ram** (2012) Dynamic recrystallization in friction surfaced austenitic stainless steel coatings. *Materials Characterization*, **74**, 49-54.
6. **Javed Akram, Ramesh Puli, Prasad Rao Kalvala , Mano Misra** (2014) A novel weld transition joint by friction surfacing. *Manufacturing Letters*, **2**, 104-107.
7. **Javed Akram, Ramesh Puli, Prasad Rao Kalvala , Mano Misra** (2015) Microstructural Studies on Friction Surfaced Coatings of Ni-Based Alloys. *Practical Metallurgy*, **52**, 590-606.

II PRESENTATIONS IN CONFERENCES

1. **Ramesh Puli, E. Nandha Kumar, G.D. Janaki Ram.** Studies on austenitic stainless steel AISI 316L friction surfaced coatings. *International IIW conference on Trends in Joining, Cutting & Surfacing Technology*, Chennai, July, 2011.
2. **Javed Akram, Ramesh Puli, Prasad Rao Kalvala , Mano Misra.** Friction assisted seam welded additive manufacturing. *SAE 2014 Aerospace Manufacturing and Automated Fastening Conference & Exhibition*, Salt Lake City, Utah, USA, September, 2014.
3. **Javed Akram, Ramesh Puli, Prasad Rao Kalvala , Mano Misra.** Lap joining of Inconel 625 through friction assisted seam welding. *Annual conference of Material Science & Technology (MS&T) 2014*, Pittsburgh, PA, USA, October, 2014.



Ramesh Puli

Dr
Materials Engineering
Surface Coatings
Additive Manufacturing
Organic Solar Cells
Urban Mining of Rare Earths

	All	Since 2017
Citations	232	167
h-index	6	6
i10-index	5	5

TITLE	CITED BY	YEAR
Microstructures and properties of friction surfaced coatings in AISI 440C martensitic stainless steel R Puli, GDJ Ram Surface and coatings Technology 207, 310-318	65	2012
Corrosion performance of AISI 316L friction surfaced coatings R Puli, GDJ Ram Corrosion Science 62, 95-103	44	2012
Wear and corrosion performance of AISI 410 martensitic stainless steel coatings produced using friction surfacing and manual metal arc welding R Puli, GDJ Ram Surface and Coatings Technology 209, 1-7	43	2012
Dynamic recrystallization in friction surfaced austenitic stainless steel coatings R Puli, GDJ Ram Materials characterization 74, 49-54	42	2012
Characterization of friction surfaced martensitic stainless steel (AISI 410) coatings R Puli, EN Kumar, GD Janaki Ram Transactions of the Indian Institute of Metals 64 (1), 41-45	24	2011
A novel weld transition joint by friction surfacing J Akram, R Puli, PR Kalvala, M Misra Manufacturing Letters 2 (4), 104-107	9	2014
Microstructural studies on friction surfaced coatings of Ni-based alloys J Akram, R Puli, KP Rao, M Misra Practical Metallography 52 (10), 590-606	5	2015
Wear and corrosion performance of AISI 410 martensitic stainless steel coatings produced using friction surfacing and manual metal arc welding GD Janaki Ram, R Puli		2012
Editorial 557 Top Ten Downloads 615 Picture of the Month 615 W Motl, H Schnarr, P Rossi, M Engstler, F Mücklich, J Akram, R Puli, ...		