Dr R.Karthikeyan (ID 1288)
Professor/Dept. of Mechanical Engineering
Gokaraju Rangaraju Institute of Engineering and Technology

EDUCATION

2012 Ph.D in Manufacturing Engineering
Annamalai University (2012/06/08)
1996 Post Graduate (Thermal Power Engineering)
Annamalai University (1996/November)
1994 Under Graduate (Mechanical Engineering)
The Institution of Engineers, Kolkatta, India (1994/ Summer)
1988 Diploma in Mechanical Engineering (1998/April)
1995 Diploma in Computer Programming & Applications.
1993 Diploma in Industrial Pollution & Control
1990 Diploma in Production Management

PROFESSIONAL TRANINGS

WRI Certified Welding Inspection
ASNT Level II RT, MT, PT, UT
Auto CAD

PROFESSIONAL EXPERIENCE

Around 19 + years in total (3 years in Research, 6 years & 11 months in Teaching and 10 years & 10 months in Industrial)

PUBLICATIONS

INTERNATIONAL JOURNALS

1. R. Karthikeyan and V. Balasubramanian, (2010) Predictions of the optimized friction stir spot welding process parameters for joining AA2024 aluminum alloy using RSM. International Journal of Advanced Manufacturing Technology, Vol.51 pp 173-183. (Springer Publications)

2. R.Karthikeyan and V.Balasubramanian, (2012) Optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA6061 aluminum alloy. International Journal Manufacturing Research. Vol. 7(3) pp 257-272. (Inder Science Publications)

3. R.Karthikeyan and V.Balasubramanian, (2013) Statistical optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA7075 aluminum alloy. International Journal of Experimental Techniques. Vol. 37 (2), pp 6-15 (Society for Experimental Mechanics Wiley-Blackwell)

NATIONAL JOURNALS

1. R. Karthikeyan and V. Balasubramanian (2010) Friction Stir Spot Welding (FSSW) of AA1100 aluminum alloy- Parameters Optimization and Sensitivity, Indian Welding Journal Vol. 43 (1) pp 35-46.

CONFERENCES

1. R. Karthikeyan and V. Balasubramanian (2008) Effect of Tool rotational speed and dwell time on lap shear strength of friction stir spot welded AA2024 aluminum alloy. International Symposium on Joining of metals organized by Indian welding society (IWS) Trichy. Proceedings Vol. 2 pp. 23-30.
2. R.Karthikeyan and V.Balasubramanian (2009) Friction stir spot welding of aluminum alloys" National Workshop on Environmentally Cleaner Welding Process organized by Indian Welding Society (IWS) Annamalai University, Proceedings pp. 121 -128.
3. R.Karthikeyan and V.Balasubramanian (2009) Effect of process parameters on Friction Stir Spot Welded Aluminum Alloy, National conference on Recent advances in Welding. Organized by PESIT and IWS, Bangalore. Proceedings pp. 2.84-2.90.
4. R. Karthikeyan and V. Balasubramanian (2010) Optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA6061 aluminum alloy, International conference on Innovative Processes for Materials Joining & Surfacing organized by Indian welding society (IWS) Mumbai. Proceedings pp. 407-416.
5. R. Karthikeyan and V. Balasubramanian (2011) Effect of Friction Stir Spot Welding process parameters on strength and failure modes of A6061-T6 aluminum alloy joints, International Conference on Advances in Cutting, Welding and Surfacing (CWS 2011) organized by Indian Welding Society, Coimbatore, Proceedings pp. y1-y8.
6. R.Karthikeyan and V. Balasubramanian (2012) Effect of Tool Rotational Speed on Joint Characteristics of Friction Stir Spot Welded A6061-T6 aluminum alloy. International Symposium on Joining of metals organized by Indian welding society (IWS) Trichy. Proceedings Vol. 2 pp. 31-40.
7. R.Karthikeyan and V. Balasubramanian (2016) Optimization of Electrical Resistance Spot Welding and Friction Stir Spot Welding. International. Conference on Material Processing and Charecterization (Accepted for presentaion)

Name of the Faculty	Title	Year	Details
Dr R.Karthikeyan ID: 1288	ISTE Workshop on Fluid Mechnics	2013-2014	20-30 May, 2014, Arunai College of Engineering, Tiruvannamalai, Tamilnadu
	1 Day Worksop on High Temperature Properties of Materials		1 February, 2014 Annamalai UIniversity
	FDP on Additive Manufacturing	2014-2015	25-27 March, 2015, GRIET, Hyderabad
	1 Day Worksop on Advances in Arc Welding		6 April, 2015, Annamalai University
	FDP on Guide to a Passionate Teacher	2015-2016	29 June-04 July, 2015, GRIET, Hyderabad
	FDP on Advancements in MEMS and NEMS Technologies		19-21 November, 2015, GRIET, Hyderabad