

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

Dr. S. Jerome, currently working as an Assistant Professor in the Department of MME, He joined this department in the year of 2006. He graduated Mechanical Engineering from Coimbatore Institute of Technology, completed his M. Tech from NIT Trichy and Ph.D. from NIT Trichy in Metallurgical Engineering. His specialization in welding Engineering, and he has established Welding Engineering Laboratory. Currently he is working in the area of Friction Stir processing, Cold metal Transfer welding and Plasma Welding.

He has published over 20 research papers in International Journals and Conferences of repute, has successfully completed 2 research projects. He is also a reviewer of reputed journals in his field.

He served as a Convener of Hostels and Associate Dean (Students Welfare) during 2012-15, in those period, he had introduced many changes and solved many issues related to students and employees of hostels.

He is currently teaching welding processes, welding metallurgy, metallic materials, Manufacturing processing to the undergraduate and post graduate students.

He had served as staff advisor of the MME students association from 2011-15, students considered him as a student friendly teacher in the campus.

He was involved in few consultancy activities in Aavin, some fabrication industries in Trichy and Chennai.

He served as Executive committee member of IWS southern zone for 4 years and very active member in IWS and IIM.

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1.	Name	Dr. S. Jerome
2.	Designation:	Asst. Professor
3.	Office Address:	Department of MME, NIT Trichy
4.	Telephone (Direct) (Optional): Telephone : Extn (Optional): Mobile (Optional):	0431-250 3465 9443022544
5.	Email (Primary): jerome@nitt.edu	Email (Secondary) : iitjerome@gmail.com
6.	Field(s) of Specialization:	Welding, Friction stir processing

7. Employment Profile

Job Title	Employer	From	To
Asst. Professor	NIT Trichy	Aug 2006	Till date
Lecturer	Kongu Engg. College	Nov 2004	Jul 2006
Research Associate	NIT Trichy	Jul 2004	Nov 2004
Lecturer	SMIT, Chennai	1998	2002

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	NIT	2012	-	Composite
M.Tech	NIT	2004	First class	Welding Engineering
B.E	CIT	1998	First Class	Mechanical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Convener of Hostels	NIT Hostels, NIT Trichy	2012	2015
Asso. Dean (Student welfare)	NIT, Trichy	2012	2015

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Warden	NIT Hostels	2010	2012
Faculty Advisor	MMEA – Students Association	2011	2015
Time table coordinator	MME	2016	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Executive Committee Member	IWS- Southern zone	2010	2013

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
	NIL	

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
	NIL			

13. Details of Academic Work

(i) Curriculum Development

Involved in BoS member of Welding Engineering, Industrial Metallurgy

(ii) Courses taught at Postgraduate and Undergraduate levels

Theory Subjects:

- Welding Processes
- Advanced Welding Processes
- Welding Metallurgy
- Materials Joining Technology
- Engineering Metallurgy
- Emerging Materials
- Non Ferrous Metallurgy
- Manufacturing Technology
- Engineering Drawing

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Laboratory Classes

- Foundry and Welding Laboratory
- Non ferrous Physical Metallurgy Laboratory
- Mechanical Testing Laboratory
- Comprehension

(iii) Projects guided at Postgraduate level

PG Projects: 30 projects completed

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Friction Stir Processing of Similar and dissimilar fusion welds of Aluminium alloys used in Naval application	Naval Research Board, New Delhi	2009	2012	Completed
Feasibility of Nano Fluids based liquid coupled Air pre heater instead of existing Air preheater for boiler	BHEL, Tiruchirappalli	May 2012	Nov 2012	6.1 Lakhs
: Procedure of welding process for repair of Kaplan Turbine blade	M/s. Shri Saravana Industries Pvt. Ltd, Tiruchirappalli	Apr 2013	Jun 2013	1.13 lakhs

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

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16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
Nov 2015	NMD-ATM	International	Co Chairman	IIM, Culcutta	PSG College of Tech
Jan 2016	NRCM	National	Participant	IISc Bangalore	IISc
Jun 2015	NRCM	National	Participant	IISc Bangalore	IISc
Nov 2013	ASCI	National	Participant	ASCI, Hyderabad	ASCI Hyderabad
2012	Sojom	International	Participant	WRI Trichy	Trichy
2010	IWS 2k10	International	Participant	IWS Mumbai	Mumbai
2008	Pedagogical Training	National	Participant	NITTR, Chennai	Chennai

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
<i>Powder Metallurgy of Refractory and hard Metals – Processing & Prospect (PMRM – 2006)</i>	National	2007	Co-convener	NIT Trichy
<i>Emerging trends in Corrosion Control and Surface Engineering</i>	-do-	2007	Coordinator	NITT
<i>Latest Trends in Surface Coating Technologies</i>	-do-	2007	Coordinator	NITT
<i>Women’s welding training</i>	-do-	2008-10	Coordinator	NITT
<i>Recent Advances in Materials and Processing Technology</i>	-do-	2010	Coordinator	NITT
<i>Joining of materials</i>	-do-	2011	Coordinator	NITT
<i>Advancements in welding technology</i>	-do-	2013, 2015	Coordinator	NITT

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18. Invited Talks delivered

Topic	Date	Inviting Organization
Advances in Welding Technologies	May 2016	NIT Trichy
MicroNano Welding	May 2015	PSG College of Technology
Micro Nano Welding	2014	PSNA College of Engineering
Dissimilar Welding	2013	National College of Engg, Kovilpatti

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	IWS	
Life Member	IIM	

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	One month	Research training in metal matrix composite in NUS Singapore
China	One week	International Conference

21. Publications

International Journal

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
S. Jerome, B. Ravisankar, Pranab Kumar Mahato, S. Natarajan	Synthesis and evaluation of mechanical and high temperature tribological properties of	Tribology International	Volume 43,		2010	

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	in-situ Al–TiC composites"					
S. Jerome, Ashish Kumar, S. P. Kumaresh Babu and B. Ravisankar,	Studies on Mechanical Properties and Wear behavior of in situ Al-TiC Composites	Advanced Materials Research		328-330	2011	
S. Jerome, S. Govind Bhalachandra, S. P. Kumaresh Babu and B. Ravisankar	"Influence of Microstructure and Experimental Parameters on Mechanical and Wear Properties of Al-TiC Surface Composite by FSP route	Minerals& Materials Characterization & Engineering,	Vol 11, No 5,	493-507,	April 2012	
M. Gnanasekaran, A. Kumaravel, S. Jerome, K. Perumal, "	Effect of Multi Component Activating Fluxes on Mechanical Properties of TIG Welded Stainless Steel Weldments	International Journal of Applied Engineering Research,	Volume 10,	2015	18518-18528	
M. Gnanasekaran, A. Kumaravel, S. Jerome	Effect of double component Fluxes on weld bead geometry and corrosion behaviour of ATIG weldments on Austentic Stainless steel	International Journal of Applied Sciences Research		2015	177-183	
M. Gnanasekaran, A. Kumaravel,	Effect of oxide layer and	Internationa Journal of ChemTech		350-356	2016	

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S. Jerome	activating flux on corrosion behaviour of TIG welding of 304 stainless steel weldments	Research				
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(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
S. Prakash, Nishanth, John Felix Kumar, S. Jerome.	Study on Cold Metal Transfer Welding of AA2014	Proceedings of ICAME-2015		ICAME	University of College of Engg, Villupuram	2015
Anabarasam, Jerome	Effect of Flow rate and Ar-H2 Shielding gas Mixture on weld morphology of Inconel 718	ICAMM	Materials and Manufacturing	ICAMM 2016	Osmania University	2016
P. Muthukumar, Mebin T Kuruvilla, John Felix Kumar S. Jerome	Improved surface properties of Al2024 based surface hybrid composite by Friction stir processing	ICMDM 2016	Materials and Manufacturing		Anna University	2016
T. M. Harish, S. Jerome, S. P. Kumaresh babu & B. Ravisankar	Studies on Mechanical, Microstructural, and Wear properties of Al-TiC surface composite	International conference on symposium of joining of materials (SOJOM)	Welding		Indian Welding Society, Tiruchirappalli,	2012
Tijo. K. Mathew, Alex Joushua, S. Jerome, B. Ravisankar and V.	Development of Surface Composite of Commercial Pure Al Alloy	International Welding Symposium, IWS 2k10,	Welding		IWS, Mumbai	2010

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Balasubramanian,	with TiC by FSP route					
S.P. Kumarsh babu, K. Sivaprasad, S. Senthilkumaran, S. Jerome and S. Natarajan ",.	Sliding wear Behaviour of WC coated Al-ZrB2 in situ composite	International conference on Advanced Tribology			National University of Singapore	2009
S.Jerome, B.Ravisankar ,Nandkishore Karande, Kedar Deshmukh , Q.B. Nguyen & Manoj Gupta	“Synthesis of Magnesium Nano Composites and its Diffusion Bonding Studies”,	Symposium of Joining of Materials (SOJOM),			IWS, Tiruchirappalli, India	2008

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
N. Kishore Babu, Mahesh Kumar Talari, Sun Zheng, Pan Dayou, S. Jerome, and V. Muthupandi,	“Arc Welding”, Handbook of Manufacturing Engineering and Technology	Springer-Verlag London	2015	1447146697 / 9781447146698