

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

Curriculum Vitae



Brief Profile:

Dr Vinothkumar Govindaraj is a latest addition as a faculty to the Metallurgical and Materials Engineering department, National Institute of Technology Tiruchirappalli. In his perception, teaching and research should go together like sides of a coin, to become a successful faculty. He is fortunate to be having experienced in either of them to start his carrier as an Assistant Professor at NIT Trichy. His research work so far mostly focused on the topics of steel and aluminum alloys development and characterization. His PhD thesis work at Deakin University Australia sponsored by Bharat Forge India through Deakin Indian Research Initiative program supervised by Dr. Hossein Beladi, Prof. Peter Hodgson, Dr. Rajkumar Singh is on the development of precipitation hardenable martensitic stainless steels for the economic benefit of industry. His post-doctoral research work at Brunel Centre for Advanced Solidification Technology, Brunel University London is on the development of wrought aluminum alloys for automotive application which fetch him an opportunity to work closely with Constellium University Technology Center, London. During his post-doctoral research work, he had an opportunity to interact and work with internal experts in Metallurgy like Prof. Zhongyun Fan, Prof. Isaac Chang, and Prof. Brain Cantor.

Having exposed himself to domestic and international research environments, he is aiming on doing fundamental research to provide solutions to the real-life metallurgical problems. He is quite experienced in interface/defect structure analysis using advanced microscopy techniques like Electron Back Scattered Diffraction and 3D-Atom Probe Tomography techniques. He is qualified and experienced in alloy development, grain boundary engineering, solid-state reactions. With his background in metallurgy, he is open to take-up sponsored/consultancy research project from ferrous and non-ferrous industry of him domain. At present, his ambition is to contribute to set-up the Centre for Circular Economy at NIT Trichy to support the nation's circular economy policy.

LinkedIn: <https://www.linkedin.com/in/vinothkumar-govindaraj-436237b5>

Google Scholar Profile: <https://scholar.google.com/citations?user=DyKeYswAAAAJ&hl=en>

Scopus Author Profile: <https://www.scopus.com/authid/detail.uri?authorId=57222097677>

ORCID webpage: <https://orcid.org/0000-0001-6953-7867>

Thanks for your time on knowing his profile and encourage you to take a look at his CV below;

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1. Name: Dr Vinothkumar Govindaraj
2. Designation: Assistant Professor
3. Office Address: MME112F, Dept. of MME, NIT Trichy.
4. Telephone (Direct) (Optional): 0432-250-3712
Mobile (Optional): +91 9345622864
5. Email (Primary): vinothkumar@nitt.edu Email (Secondary): vino.rhino88@gmail.com
6. Field(s) of Specialization:
solid-state reactions, grain boundary engineering,
alloy development
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology, Tiruchirappalli, India	Nov-2022	Till date
Post-Doctoral Research Fellow	Brunel University London, UK	Jan-2022	Oct-2022
Adhoc Faculty	National Institute of Technology Andhra Pradesh, India	Aug-2021	Jan-2022
Graduate Engineering Trainee	SAC Engine Components Pvt. Ltd., Chennai, India	Sep-2009	June-2010

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	Deakin University, Australia	2021	-	Engineering (Metallurgy)
M.Tech.	University of Hyderabad, India	2013	First Class with Distinction	Materials Engineering
B.E.	Anna University Chennai, India	2009	First Class	Metallurgical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Faculty In-charge for 2 nd Year MME	National Institute of Technology Andhra Pradesh, India	Sep-2021	Jan-2021

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2003	School First in SSLC Public Examination	Government Higher Secondary School, Mittapalli-635307, Tamil Nadu, India.

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12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2011	National Fellowship	University Grant Commission, India	Feb-2011	May-2013
2015	Deakin Indian Research Initiative	Bharat Forge, India	Feb-2015	July-2021
2019	Deakin In-country Scholarship	Deakin University, Australia	Sep-2019	Dec-2020

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

Metal Forming, Metallurgical Thermodynamics and Kinetics, Theory of Metallurgical Processes

(iii) Projects guided at Postgraduate level

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

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
14-11-2017	NMD-ATM 2017	International	Paper presenter	Indian Institute of Metals	BITS-Pilani, Goa.
30-08-2012	ASMP	International	Paper presenter	IIT Madras & Japan society of mechanical engineers	IIT Madras, 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

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

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

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20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Vinothkumar Govindaraj, Peter Hodgson, Rajkumar Singh, Hossein Beladi	Precipitation Reaction in 12Cr-3Ni-3Mn-3Cu-0.15Nb-0.05C maraging steel	Materials Science and Engineering A	808	140909	2021	6.044
Vinothkumar Govindaraj, Peter Hodgson, Rajkumar Singh, Hossein Beladi	The effect of austenite reversion on the microstructure and mechanical properties of a 12Cr-3Ni-3Mn-3Cu-0.15Nb-0.05C maraging stainless steel	Materials Science and Engineering A	828	142097	2021	6.044
Vinothkumar Govindaraj, Ehsan Farabi, Sitarama Kada, Peter Hodgson, Rajkumar Singh, Hossein Beladi	Effect of manganese on the grain boundary network of lath martensite in precipitation hardenable stainless steels	Journal of Alloys and Compounds	886	161333	2021	6.371

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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

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number