

CV Profile (max. 2 pages length)

1 Name

Research interests

Mechanical characterization (static and dynamic) of materials, Continuum mechanics, Numerical simulation with FEM, Fracture, Impact mechanics, Mechanics of composite materials and wood (Interlaminar and Intralaminar damage), Thermo-mechanical behavior of materials and Manufacturing, Solid state welding (Friction Stir Spot Welding -FSSW).

Education

PhD – Mechanical Engineering: (01/01/2014- 28/03/2017) – INSA de Toulouse, France

Master's Degree (M.E in Engineering Design): (18/07/2004- 20/06/2006) – Anna University, Chennai, India

Undergraduate Degree (B.E in Mechanical Engineering): (20/06/1998- 15/05/2002)- Bharathidasan University, Trichy, India.

Sector of activity

I am John Prakash Susainathan pursuing as research associate (Post-doc) at University of Antonio de Nebrija, Madrid, Spain. I would like to place my candidature for Post-doc fellow / Researcher position in mechanics of materials and structures. I am enclosing my resume for your review and consider this letter as my formal application presenting my background, education and experience. I have thorough knowledge of the process and procedures of the research environment and considerable experience on lightweight composite structures. Currently, I am working in the School of mechanical Engineering, University of Antonio de Nebrija, Madrid Spain as Post-doctoral Research associate. Here, I am carrying out research project namely NEXT-GEAR funded H2020-SHIFT2RAIL 2019, EU in which I focusses on the mechanical design and development of rail axle and chassis (<https://www.greenebrija.com/who-we-are>). I am very much interested to carry on my research towards Lightweight composite structures based on wood regarding impact and crash applications, Mechanics of Composite Materials and wood, Structural Dynamics, material mechanics, Computational mechanics in which I have more interest and knowledge. I am conversant of using softwares like Catia V5, LS-Dyna, Abaqus, Ansys and also Matlab. Right now I am also looking the research ways to extend my research on the mechanic of composite materials and wood. If you do have any research openings like Researcher position in your lab. I have attached my resume with this mail. Kindly give me more information if you have any project opening.

Experience

• Experience summary:

Duration:

20/01/2020 - Till date

Position:

Post-doctoral Researcher

Institution / Company:

University of Antonio de Nebrija, School of Mechanical Engineering, Madrid - 28040, Spain.

01/01/2018 - 30/09/2019	Innovation Associate,	R&D Projects development department, InterOnline Cooperation, Aviles-33401 Spain
01/01/2014 - 28/03/2017	Research Fellow (Doctoral),	School of Mechanical Engineering, INSA of Toulouse, Toulouse - 31400, France.
01/10/2013 - 31/12/2013	Marie-curie Researcher (ESR),	Department of Material Science, Tampere Univ. of Technology (TUT), Tampere - 33720, Finland.
01/10/2010 - 16/07/2013	Research Assistant,	Department of Mechanical and Aerospace Engg. Politecnico di Torino, Turin - 10129, Italy.
19/08/2009 - 23/08/2010	Junior Research Fellow (JRF),	Department of Metallurgical and Materials Engg. National Institute of Technology, Tiruchirappalli - 620015, Tamilnadu, India.
01/10/2007 - 23/06/2009	Lecturer,	School of Mechanical Engineering, AVIT, Vinayaka Mission University, Paiyanoor 603104, Chennai, Tamilnadu, India.
20/06/2006 - 05/05/2007	Lecturer,	School of Mechanical Engg. SRM University Kattankulathur - 603203, Chennai, TN, India.
24/06/2002 - 20/05/2004	Production Engineer,	M/S Auren Abratech (Mfrs of Abrasive Grinding wheels), Tiruchirappalli - 620015, TN, India.

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