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## Favas T K's Post

**Favas T K**

Assistant Professor at Cochin University of Science and Technology

7mo

It was a nice experience as a Resource Person for the workshop on Computational Fluid Dynamics: Fundamentals and Applications at **NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE, PAMBADY**. Interacted with enthusiastic faculty members and students of Mechanical Engineering of NCERC. Thank you team NCERC for the nice hospitality and for beautifully organizing the workshop.

[#computationalfluidynamics](#) [#cfd](#) [#resourceperson](#) [#invitedtalk](#) [#mechanicalengineering](#)



PCVM+CPG, Pambadi, Pampady, Kerala 680588, India

Latitude

10.74362599°

Longitude

76.43444003°

Local 10:21:32 AM

GMT 04:51:32 AM

Altitude 78 meters

Monday, 25.03.2024

26

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NCERC/3148/GEN-COR/56/2024

25.03.2024

**LETTER OF APPRECIATION**

We express our gratitude and appreciation to **Dr. Favas T K**, Assistant Professor, Department of Shipping Technology, Cochin University of Science and Technology, Kerala for delivering a Workshop on Computational Fluid Dynamics: Fundamentals and Applications for the Faculty and Students of Mechanical Engineering, Nehru College of Engineering & Research Centre, Pampady on **25<sup>th</sup> March 2024**.

The students found this session highly beneficial for their Career advancement and Placement.

Wishing you all success in your future endeavors



Principal

**PRINCIPAL**  
Nehru College of Engineering and  
Research Centre (Autonomous)  
Nile Gerdasa, Pampady  
Thiruvananthapuram, Kerala - 680588

## More Relevant Posts

**Rahul Baviskar**

Lecturer at Dr D Y Patil Pratishthan's Y B Patil Polytechnic, Akurdi Pune | Author | Josh Talks Speaker | Startup Mentor | ...

2mo

Happy to share ,

My fifth paper is published on [IRJMETS Journal](#) with 7.8 Impact factor.

Topic: Simple Learning Methods of Digital Techniques.

It's always a great feeling to publish a paper for learners

[Rahul Baviskar](#)

[#mechanical](#) [#engineering](#) [#professor](#)

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**Malnad College of Engineering**

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Review article titled 'A Review on the Potential Impact of Age Hardening on Aluminium Alloys and Hybrid Composites for Engineering Applications' written by faculty of Mechanical Engineering Department Dr. B N Sharath, Dr. D G Pradeep & Dr. K S Madhu has got published in 'Progress in Engineering Science' journal.

To read the review article follow the link furnished below:

[https://lnkd.in/dmK\\_cNUy](https://lnkd.in/dmK_cNUy)

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**Ali Ahmadi**

Control Theory, Robust & Adaptive Control, Learning-based Control, Automation, Autonomous Systems

9mo · Edited

"Delighted to share insights from my recent conference at Amirkabir University of Technology, where I delved into the intricacies of controlling multibody dynamic systems using screw theory. Explored the art of deriving closed-form dynamic equations for mechanisms—a key to effective model-based control. Elevating the discourse in mechanical engineering! [#ControlSystems](#) [#MechanicalEngineering](#)

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**ResearchYTU**

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🌟 Exciting News! 🌟

I am thrilled to announce that our esteemed colleague, Res. Asst. Eyüp Ensar IŞIK from Yıldız Technical ...more

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**Dr. SHAMSHUDDIN MD**

Associate Professor at SR University  
5mo

I am happy to share my paper no. 168 is published online in a reputed journal "Institution of Mechanical

Engineers: Journal of Process Mechanical Engineering" indexed in SCI Q2 with 1.606 Impact factor

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**vinay garg**

Founder and CEO of ebooknetworking.net  
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PPI FE Review Manual: Rapid Preparation for the Fundamentals of Engineering Exam, 3rd Edition – A Comprehensive Preparation Guide for the FE Exam

Michael R. Lindeburg PE's FE Review Manual, 3rd Edition FE Review Manual offers a complete review for the FE exam. This book is part of a comprehensive learning management system designed to help you pass the FE exam the first time. This book includes: equations, figures, and tables from the NCEES FE Reference Handbook to familiarize you with the reference you'll have on exam day 13 diagnostic exams to assess your grasp of knowledge areas covered in each chapter concise explanations supported by exam-like example problems, with step-by-step solutions to reinforce the theory and application of fundamental concepts access to a fully customizable study schedule to keep your studies on track a robust index with thousands of terms to facilitate referencing Topics Covered Computational Tools Dynamics, Kinematics, and Vibrations Electricity and Magnetism Engineering Economics Ethics and Professional Practice Fluid Mechanics Heat Transfer Material Properties and Processing Mathematics Materials Measurement, Instrumentation, and Controls Mechanical Design and Analysis Mechanics of Materials Probability and Statistics Statics Thermodynamics

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**Mohammad Shojaee**

Expert in advanced joining, mechanical and materials engineer, passionate about research, teaching, and leading multi...  
 8mo

Phenomenological failure criteria are commonly used in materials science and solid mechanics to predict failure of various systems. My latest studies focus on predicting failure of resistance spot welds made of third generation of advanced high strength steels under complex loading conditions including combined shear/

tensile loading and tensile/bending loading modes. Results from my research at Centre for Advanced Materials Joining (CAMJ) have highlighted some of the underlying deficiencies associated with commonly accepted RSW failure criteria while proposing suitable alternative failure loci. These studies will facilitate further adoption of 3G-AHSS within the automotive industry, thereby contributing to reducing carbon footprints and paving the way for a greener future.

Please feel free to use the following links to read more about our latest works:

<https://rdcu.be/dBGQn>

<https://lnkd.in/gEFcvetX>

I would like to thank my supervisors, Professors [Elliot Biro](#), [Cliff Butcher](#), and [Michael Worswick](#) for their unwavering support, and invaluable mentorship so far in my Ph.D. program. I would also like to express my gratitude to [Auto/Steel Partnership](#) (ASP) team members, especially Dr. [Hassan Ghassemi-Armaki](#) and Dr. [Tingting Zhang](#) for numerous technical discussions. Their expertise and insights have been integral to the progress and refinement of my research. Lastly, I extend my appreciation to my friends and colleagues, Dr. [Abdelbaset R H Midawi](#), and [Cameron Tolton](#). Progressing in my research would not have been possible without their insightful contributions and discussions.

[#automotiveindustry](#) [#research](#) [#universityofwaterloo](#)

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#### ESE, Imperial College London

1,793 followers

9mo

 Check out this short [#video](#) 

[Ruihe Li](#) from [ESE, Imperial College London](#) at [Imperial Mechanical Engineering Imperial College London](#) has innovatively validated [#degradation](#) models by linking [#electrolyte](#) dry-out with four mechanisms ...[more](#)

8

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**Paul Dario Toasa Caiza**

Guest Professor at Gifu University. Scientific Employee at Karlsruhe Institute of Technology (KIT).  
5mo

Investigating the effect of the stress ratio on the fatigue life of S355 welded structures is a very important fact to obtain reliable estimations.

Here two videos of experiments in ULCF regime under full reversal cyclic loading.

[...more](#)

19

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To view or add a comment, [sign in](#)**Materials at Mac**Department of Materials Science and Engineering at McMaster University  
7mo

More details on our exciting line-up for the MSE Graduate Seminar Symposium this upcoming Thursday April 11th! MSc candidate [Kendra Hawke](#) from Dr. [Hatem Zurob](#)'s group is going to discuss the results obtained investigating the [#FractureBehaviour](#) of an Advanced High Strength Multi-layer [#Composite](#) Consisting of Carbide-free [#BainiticSteel](#) and High Mn TWIP Steel!

Here is a short abstract of Kendra's talk:

"The relationship between strength and absorbed impact energy was analyzed for a layered composite consisting of carbide-free bainitic ([#CFB](#)) steel and high Mn Twinning Induced Plasticity ([#TWIP](#)) steel. The mechanical behaviour was evaluated using sub-size uniaxial tensile testing, Charpy v-notch ([#CVN](#)) impact testing, three-point bending, and Double-edged Notched Tension ([#DENT](#)) testing. Single-layer, bilayer, and three-layer (sandwich) structures were evaluated. The [#yieldstress](#) of the bilayer material followed the rule of mixture as expected for a composite material loaded in iso-strain conditions. The fracture strain of the bilayer composite was equivalent to that of the single-layer hard phase. The energy absorbed during CVN tests showed strong dependence on the volume fractions of the soft and hard layers. The results also depended on whether the notch was machined into the TWIP or CFB side. The results are understood in terms of crack arrest at the interface between the two layers. The decohesion of the interface blunts the propagation of the crack, with the un-notched layer absorbing most of the impact energy by [#plasticdeformation](#). The results demonstrate the potential to create structures that combine high strength and high-impact energy absorption."

Don't miss out on Kendra's talk! See you all Thursday!

[#msecmaster](#) [#mcmastermse](#) [#mcmasterengineering](#) [#mcmasteruniversity](#) [#graduateseminar](#)

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