



**RAMAIAH**  
**UNIVERSITY**  
OF APPLIED SCIENCES

FACULTY OF ENGINEERING  
AND TECHNOLOGY



Celebrating the  
**100th Birth Anniversary of Dr. M. S. Ramaiah**  
1922-2022  
A Great Visionary, who saw the distant future & achieved the impossible.  
Visionary Ideas that Transformed millions of lives



**RAMAIAH - GoK**  
TECHNOLOGY BUSINESS  
INCUBATOR



Department of Mechanical and  
Manufacturing Engineering  
with  
Department of Aerospace Engineering  
organizes

# International Symposium

on

**Design, Modelling and Simulation for Additive  
and Custom Manufacturing of Metals**



**Date: 30<sup>th</sup> and 31<sup>st</sup> May 2022**

**Venue:**

Ramaiah University of Applied Sciences  
Ramaiah Technology Campus  
Peenya, Bengaluru - 560058

[www.msruas.ac.in](http://www.msruas.ac.in)

## ABOUT RUAS

Ramaiah University of Applied Sciences (RUAS), a state Private University aims to focus its programs on student centric higher education. Students can expect to experience an integrated approach to academic, research, training, real life problem solving and entrepreneurship. The University, at present, offers undergraduate, postgraduate and doctoral programs in Engineering and Technology, Art and Design, Management and Commerce, Hospitality Management and Catering Technology, Pharmacy, Dental Sciences, Mathematical and Physical Sciences and Life and Allied Health Sciences.

## ABOUT THE SYMPOSIUM

Manufacturing industries have recognized Additive Manufacturing (AM) technologies and, have started to consider AM as one of the enabling technologies that will transform the paradigm of manufacturing. Amazing capabilities of additive manufacturing have transformed production of critical components with complex geometries in the industries like Aerospace, Transportation, Energy, Consumer Products, and Medical. The objective of adopting AM technology is to develop superior products, produced at lower overall operational costs.

The efficient and effective implementation of AM technologies demands thorough knowledge and technology support in the following areas:

- Additive manufacturing technologies and trends
- Design of additive and custom manufactured metal components
- Modelling and Simulation for design and manufacturing of additive and custom manufactured metal components
- Computational and Experimental Approaches for Additive Manufacturing
- Computational tools for design analysis and the optimization of AM parts

The symposium is aimed at addressing the above aspects to serve the needs of researchers from academia, researchers from industry, research scholars and PG students.

## THEMES OF SYMPOSIUM

The deliberations of the symposium are aligned with the following themes to provide an exposure to the participants on state of the art of metal 3D printing.

- State of the art of metal additive manufacturing technologies and trends
- Metallic materials for 3D printing
- Engineering and Biomedical Applications
- Case studies on success stories of applications of metal 3D printing
- CAE approaches and challenges
- Component design and optimization

# Distinguished Speakers



**Prof. J. N. Reddy**  
Texas A&M University



**Dr U. Chandrashekar**  
Program Director, AddWize, Wipro3D



**Prof. Kaushik Chatterjee**  
Center for BioSystems Science and Engineering  
IISc



**Dr. Dheepa Srinivasan**  
Chief Engineer,  
Pratt and Whitney



**Dr. Y. Ravi Kumar**  
National Institute of Technology  
Warangal



**Dr. Vishwas R Putige**  
Business Head,  
Amace solutions pvt. Ltd.



**Mr. A.R.Vinod**  
Scientist-D,  
Central Manufacturing Technology Institute  
(CMTI)



**Dr. Srikanth Bontha**  
National Institute of Technology  
Karnataka, Surathkal



**Dr. Manjajiah M**  
National Institute of Technology  
Warangal



**Mr. Jaya Raju N**  
Airbus Tech Expert and Airframe Faculty Leader  
Airbus Group India Private Limited



**Mr. D. Uma Maheshwar**  
Chief Consulting Engineer  
GE Aviation-India

## How to Register

- **Registration Fees including GST:** Rs 2000 for Delegates from Industry  
Rs 1000 for Academicians  
Rs 500 for Students  
**\$100 for international delegates(Online)**
- Registration fee to be paid online
- Details need to be filled in the registration link given below
- Confirmation will be sent to the registered e-mail
- Last date for registration: 26 May 2022

## Account Details for Registration

Transfer Details: Through RTGS or NEFT

Account Name: M. S. Ramaiah University of Applied Sciences, Peenya campus

Account Type: Savings Account

Account Number: 914010033410657

IFSC: UTIB0000559

Bank & Branch: Axis Bank, Rajajinagar, Bengaluru

GST No: 29AADAM2496AIZN

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