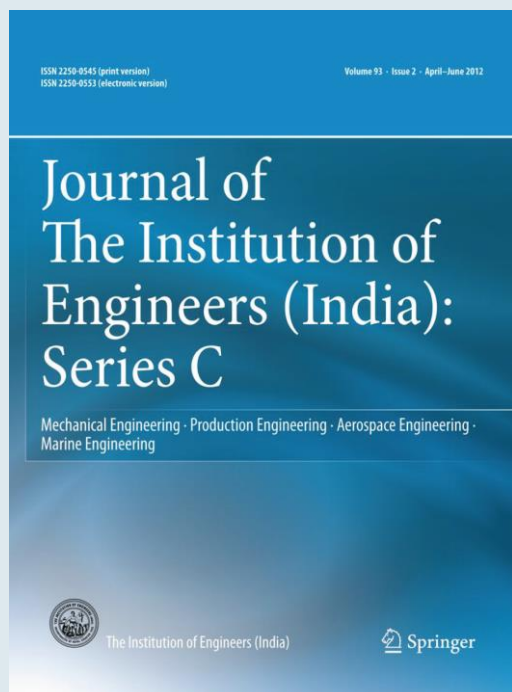




## CALL FOR PAPERS

### SPECIAL ISSUE- ADDITIVE MANUFACTURING



Additive manufacturing (AM) or 3D printing is used to make a three-dimensional object. In 3D printing, additive processes are used, in which successive layers of material are laid down under computer control. These objects can be of almost any shape or geometry, and are produced from a 3D model or other electronic data source. 3D printing in the term's original sense refers to processes that sequentially deposit material onto a powder bed with inkjet printer heads. More recently the meaning of the term has expanded to encompass a wider variety of techniques such as extrusion and sintering based processes. Technical standards generally use the term additive manufacturing for this broader sense.

These innovative technologies have made significant strides for the past few years as the frontiers of manufacturing with immense relevance to design creativity, digital fabrication and time-compression. Several user groups from aeronautical, automotive, space research, electronics, mechanical, medical, manufacturing and tooling sectors are using AM and 3D printing to accelerate the product development. Since the start of 21<sup>st</sup> century, there has been a large growth in the sales of AM machines, and their price has dropped substantially. There are many applications for AM technologies, including architecture, construction, industrial design, automotive, aerospace, military, engineering, dental and medical industries, biotech (human tissue replacement), fashion, footwear, jewelry, eyewear, education, geographic information systems, food, and many other fields.

#### Guest Editors:

**Prof. K. P. Karunakaran**, Department of Mechanical Engineering, Indian Institute of Technology Bombay, Mumbai, India

**Prof. Dr.-Ing. Andreas Gebhardt**, University of Applied Sciences Aachen, Germany

**Dr. U Chandrashekar**, The Institution of Engineers (India)

**Dr. S. Gowthaman**, Vel Tech Dr.RR & Dr.SR Technical University, Chennai, India

All interested authors are invited to submit papers reporting original research or case study. All submitted papers will undergo peer review. The topics include, but are not limited to:

- Additive Manufacturing / 3D Printing
- Materials and New developments
- Additive Manufacturing Processes – Established / Emerging Trends
- 3D Scanning Technologies & Applications
- Architectural Applications
- Additive Manufacturing & Technical Education
- Additive Manufacturing - New Phenomena
- Additive Manufacturing in Nuclear Industry
- Additive Manufacturing in Aerospace
- Additive Manufacturing - Medical Applications

#### Article Categories

- Original Contribution
- Review Paper
- Brief Communication
- Case Study
- Article of Professional Interests

#### Why Publish with Springer

- Widely respected around the world for its renowned standards of excellence in publishing
- Wide global dissemination within a short period of time
- Worldwide availability 24 hours 365 days per year
- Online access/print subscriptions
- Fair relationship to authors
- Online submission

**Last Date for manuscript submission: August 31, 2015.**

#### Submit Online

The submission of a paper in IEIC should imply that the paper has not been published previously nor has been sent for publication elsewhere. For manuscript preparation, the authors must adhere to 'Instructions for Authors' available at:

[www.editorialmanager.com/ieic](http://www.editorialmanager.com/ieic).

In case of problem during the submission process, please contact: **Ashok Kumar**, Executive-Editorial Support  
Springer India Pvt. Ltd, Tel.: 011-4575 5819, e-mail: [ashok.kumar@springer.com](mailto:ashok.kumar@springer.com)



<http://www.springer.com/journal/40032>

Journal of The Institution of Engineers (India): Series C  
Mechanical, Production, Aerospace and Marine  
Engineering

Editor-in-Chief: Biswas, G.

ISSN: 2250-0545 (print version)

ISSN: 2250-0553 (electronic version)

Journal no. 40032