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 in recent 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 21st 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
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- Additive Manufacturing & Technical Education
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**Last Date for manuscript submission:** August 31, 2015.

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**Special Issue - Additive Manufacturing**

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