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**AMC** LIVE  
Advanced Materials Congress

# Manufacturing with Advanced Materials

01 – 02 October 2020 | Time 10:00 – 16:00 CET

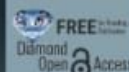
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## Topics

- Investigation of nanostructured materials with multifunctional properties
- Influence of nanoscale topography on structure-property relationships
- Design and development of antibacterial and antiviral surfaces
- Rapid prototype manufacturing and rapid tooling for various industries
- Modelling and simulation of cell-surface interactions at the nanoscale
- Design, modelling and fabrication of artery walls for atherosclerosis
- Nanofluidic devices for bacterial flow and biofilm evaluation
- Permanent scaffolds for tissue engineering
- 3-D Printing applications for aerospace, automobile and biomedical industry
- Mathematical modelling approaches to optimise hospital capacity and utilisation
- CAD/CAM applications in sheet metal forming
- Control systems for weld process automation
- Solar Energy and its impact on manufacturing applications
- Product data modelling and engineering knowledge management
- Digital manufacturing
- Industry 4.0 and cyber system interactions in manufacturing

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## Advanced Materials Letters

Researcher  
of the Year

Professor  
Prasad KDV  
Yarlagadda

Antiviral and  
Antibacterial Surfaces

Celebrating  
60<sup>th</sup> Birth  
Anniversary

An Official Journal of  
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