

**Pro-AM2014**

# 1<sup>ST</sup> INTERNATIONAL CONFERENCE ON PROGRESS IN ADDITIVE MANUFACTURING



In conjunction with the Opening of  
Nanyang Additive Manufacturing Centre (NAMC)  
by **Mr Lee Yi Shyan**  
Senior Minister of State,  
Ministry of Trade and Industry  
and Ministry of National Development, Singapore

26 – 28 May 2014  
Nanyang Executive Center  
Nanyang Technological University,  
Singapore

## CONFERENCE TOPICS

### SOFTWARE AND DATA PROCESSING

- Modelling software (Professional, Amateur Software)
- Scanning and data capturing
- Reverse engineering
- BioCAD
- Inspection software
- Data validation and data security
- E-supply chain for additive manufacturing

### DESIGN

- Design principles for additive manufacturing
- Topology optimization
- Cellular design and characterization
- Mass customization
- Biomimetic design
- Functionally graded design
- Mold and tooling design using additive manufacturing

### MATERIALS

- Metals
- Polymers, including photopolymers
- Ceramics
- Biomaterials
- Hydrogel
- Bioink or cells for printing
- Composites and nanocomposites
- Conductive materials
- Application-specific materials
- High-performance and functionalized materials

### EQUIPMENTS AND NEW TECHNIQUES

- Multi-material systems
- Material removal and addition technologies
- Laser systems for additive manufacturing
- Hybrid manufacturing
- Large scale additive manufacturing
- Biofabrication
- New techniques in additive manufacturing

### MEASUREMENT SCIENCE AND METHODS

- Materials analysis and testing
- Metrology
- Process monitoring and control technologies
- Modelling and simulation
- Quality systems and management
- Post-processing techniques

### APPLICATIONS AND INDUSTRIES

- Aerospace
- Biomedical
- Food
- Marine and Offshore engineering
- Architecture and Construction
- Sports research
- Fashion
- Model-making
- Tooling

## KEYNOTE SPEAKERS

**Prof. Paulo Bartolo** *Polytechnic Institute of Leiria (IPL), Portugal*

**Prof. Vladimir Mironov** *Center for Information Technology, Brazil*

**Prof. Lin Li** *University of Manchester, UK*

## KEY DATES

**Author with FULL PAPER**      **Presenter with ABSTRACT ONLY**

Paper Submission (Review) :  
**15-April-2014**

Abstract Due (Review):  
**15-April-2014**

Camera Ready Paper :  
**30-April-2014**  
(for inclusion in Proceedings)

Final Abstract :  
**30-April-2014**  
(for inclusion in Program/ Abstract Book)

**Early Bird & Author Registration : 31-March-2014**

### THE FUTURE OF MANUFACTURING

All presented papers will be published in the form of printed volumes with ISBN. Each paper with DOI will be included into CrossRef and will be hosted online @ RPSONline. The volumes will be submitted to CPCI, ISI's Web of Science and Scopus for possible indexing.

Paper submissions must be through the conference website:  
**www.icpro-am.org**

## ABOUT Pro-AM

The International Conference on Progress in Additive Manufacturing is an event where we present the latest commercial and scientific progress. In this conference-cum-exhibition, we will invite experts and researchers world-wide to share their latest breakthroughs in additive manufacturing. Commercial market players in additive manufacturing will also showcase the latest technologies and applications to the wider audience. This is an event where one can see additive manufacturing through the lens of both the professional and amateur!

## CONTACT US

### CONFERENCE SECRETARIAT

Pro-AM2014

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