



# International Conference on

## “Product Life Cycle, Modelling, Simulation and Synthesis (PLMSS)”

(13 - 15 December 2017)

6<sup>th</sup> PLMSS - 2017

### Call for Papers (First Announcement)

Defence Institute of Advanced Technology (DIAT), Pune and Tech Mahindra jointly propose to host the International Conference on **“Product Life Cycle, Modelling, Simulation and Synthesis (6<sup>th</sup> PLMSS – 2017)”** under aegis of PLMSS Trust during [December 13 - 15, 2017 at DIAT, Pune](#) preceded by a Pre-Conference Workshop on a suitable topic. PLMSS Trust was registered on 3rd Dec 2014 at Bangalore by the Heads of DRDO, NAL, ADA, IISc in order to take up research, aid, promote, guide, manage, coordinate, execute and disseminate activities in the area of CAD, CAM, CAE, PLM, ERP and other related topics in Aerospace, automobile and other concern industries. The conference is being planned to provide a platform to discuss the trends and advancements in the area of PLMSS for Engineering and Technology applications/processes. Active participations from Academia, Industry Professionals, Researchers, R & D Establishments and Innovators etc. are expected to be the beneficiaries. The Information Brochure of PLMSS - 2017 is being circulated soon. PLMSS – 2017 is comprised of Pre-conference workshop, Invited/Plenary talks, Oral and Poster presentations, Exhibition, Defence Lab/Industry visits and Local Sight Seeing etc.

#### Themes to be covered:

- **Product Definition:**  
CAD/Geometrical Modeling, Requirement Engineering, Conceptual Design, Quality & Reliability, Computational Material Engineering, Integration aspects of Product Development and System Engineering.
- **Product Visualization:**  
Computational and Conceptual Graphics, Virtual Prototyping and Distributed Visualization.
- **Product Modeling and Simulation:**  
Computer Aided Engineering, Multi Disciplinary Analysis and Optimization, Smart Structure Modeling and Analysis, Advanced Materials and Applications.
- **Product Realization:**  
Advanced Manufacturing Techniques, Rapid Prototyping, Jig-less Manufacturing, Process Planning & Control, Green Manufacturing and 3D Printing.
- **Lifecycle Management:**  
Standards, Metrics and Regulations, Simulation Tools, Lifecycle Managements, Integration, Validations and Recycling.
- **Product Management:**  
Program/Product Management, Supply Chain and Value Chain, Product Delivery System.
- **Advanced Product Development Frame Work:**  
Knowledge Based Engineering, Distributed Data Management, Secure Data Exchanges, Information and Knowledge Modeling, Architecture Development.
- **Emerging Trends of PLMSS:**  
Data Analytics, Cyber Systems and Internet of Things, Cloud based PLM, Agile Development, Mobile PLM, Product Support, Services and Systems, Lifecycle Assessment and Sustainability, Eco PLM Design, Digitalization of PLM.
- **Implementation of PLM:**  
Case Studies, PLM Infrastructure, Redundant Architecture, Scalability, Agile PLM and Interoperability with Enterprise Solutions.

## Call for Papers:

Papers describing original research or an interesting application in any of the above topics or related areas are invited from the prospective authors/participants. Only full papers submitted for the conference will be reviewed and considered for its possible publication/presentation. All papers should be submitted electronically in MS Word format. Full Papers should be limited to 10 pages in A4 size, including figures and references and should contain unpublished original results. All papers will be reviewed by peer reviewers from within and outside the country. Oral and poster presentations will be decided based on the recommendations of reviewers. E-Proceedings of the conference containing the full-length papers and souvenir containing the abstract of all papers will be made available to the registered participants. Also, efforts are being made to publish a few number of full length papers in the selected International Peer Reviewed Journals. Also, best paper and poster shall be awarded during the conference.

Formats/Templates for preparation of full paper and abstract can be obtained from the conference website [plmss.org.in/conf/plmss17](http://plmss.org.in/conf/plmss17). Authors are required to register online in the prescribed format which is available in the web site.

## Important Dates:

**Last date for submission of Abstract: 15 July 2017**

**Submission of Full papers (Only Full Papers will be reviewed.**

**Abstracts are solicited to match the Scope of the Conference**

**and to initiate the paper review System): 1 Aug 2017**

**Last Date of communicating the Reviewer's Comments: 15 Oct 2017**

**Last date for Submission of Camera Ready Paper: 1 Nov 2017**

**Last date for Registration with Payment: 15 Nov 2017**

**(Please note that submission of paper, all correspondence and payment etc has to be made through online only)**

## Contact Persons:

- (1) Dr. S. K. Panigrahi, Professor,  
Department of Mechanical Engineering,  
DIAT, Girinagar,  
Pune - 411025, Maharashtra, India.  
Email - [panigrahisk@diat.ac.in](mailto:panigrahisk@diat.ac.in)  
Phone - +91 20 2438 4189.
  
- (2) Sri S Ramanathan,  
Head, Aerospace & Defence (India)  
IES, Tech Mahindra,  
Bangalore.  
Email - [Ramanathan.Srn@techmahindra.com](mailto:Ramanathan.Srn@techmahindra.com)  
Phone - +91 9845594400.