

**PLMSS 2019 Conference Schedule - Venue: Hotel Taj M G Road
18 Dec 2019**

Registration 08:00 - 09:00 hrs								
Inaugural Session 09:30 - 11:00 hrs								
Visit to Exhibition Stall by Dignitaries and High Tea 11:00 - 11:30 hrs								
Session: 1								
Keynote Address								
Time slot	S No	ID	Topic	Speaker	Designation	Organization		
11:30-12:00	K1.1	7	<i>Emerging Technologies & the Future of PLM Platforms</i>	Mr Peter A Bilello	President & CEO	CIMDATA, US		
12:00-12:30	K1.2	12	<i>Digital Systems Engineering for Aerospace & Defense</i>	Mr Eran Gery	WW Industry Lead for A&D	IBM Israel		
12:30-13:00	K1.3	19	<i>PLM @ Automotive Industry- Challenges and way forward</i>	Mr Ramesh Miraje	General Manager, Engg. And Design Systems	Nissan Digital		
13:00-13:15	P1.1	Sponsor talk				IBM		
13:15-14:15		LUNCH						
14:15- 14:45	K1.4	4	<i>Next Generation- Digitally Connected PLM at BEL</i>	Mr Ambrish Tripathy	Sr DGM, PMP, HoD (IS Corporate/BEL)	BEL		
14:45-15: 15	K1.5	20	<i>Future of Product Development in the FA&D Sector - Now!</i>	Mr Suresh Perinjery	Channel Technical	PTC		
15:15-15: 45	K1.6	21	<i>Digital Enterprise</i>	Mr C K Shibin	Aerospace Industry Lead for India Geography for Siemens	Siemens		
15:45 – 16:15		Tea Break						
Session: 2				Session: 3				
Stream I –Manufacturing and Industry 4.0				Stream II– Product Lifecycle Management				
Time slot	S No	ID	Topic	Author	S No	ID	Topic	Author
16:15-16:30	S1.1	50	What is Industry 4.0 for India?	Amaresh Chakrabarti	S2.1	1	System for effective tracking of aircraft equipment with life parameters during development phase of a	Murali Krishna Teki, Lavan Kumar Reddy M V, Satish Kumar and Selvaraj P

							military aircraft	
16:30-16:45	S1.2	21	Interactive Sensor Dashboard for Smart Manufacturing	Murthy L R D, Somnath Arjun, Kamalpreet Singh Saluja and Pradipta Biswas.	S2.2	5	Knowledge management in R&D Organisation	Intiaj Khan, B S Tomer and Kamlesh Kumar
16:45-17:00	S1.3	27	Development of a modular rig for simulating manual tasks in Automobile manufacturing	Kiran Ghadge, Chandan Mahishi, Rishabh Singh, Manish Arora and Amaresh Chakrabarti.	S2.3	23	Configuring PLM for Automatic interference analysis in Combat Aircraft Design Process	Aravinda Kumar Illuru, Karthiga K, Vani V and Selvaraj P.
17:00-17:15	S1.4	46	Prioritizing the enablers of integrated Lean and Industry 4.0 product development using AHP	Vigneshvaran R and Vinodh Sekar.	S2.4	24	Role of Customization in PLM Implementation – A Case Study	Karthiga K, Aravinda Kumar Illuru, Vani V and Selvaraj P.
17:15-17:30	S1.5	37	Connected Factory	Ravishankar K, Minanath Dhaske and Abhishek Acharekar.	S2.5	25	Portrayal of the Design and Simulation Lifecycle Management System Implemented at Structural Technologies Division, CSIR-NAL	Narayana R and Anand Kumar Singh. P
17:30-17:45	S1.6	44	Analysis of impediments of Industry 4.0 adoption using fuzzy TOPSIS approach	Vishal Ashok Wankhede and Vinodh Sekar.	S2.6	28	Integration of High Performance Computing Server with a PLM Software for the Simulation Data Management	Anand Kumar Singh, Narayana R and Mahantesh Sp.
17:45-18:00	S1.7	47	Additive Manufacturing Technology for Realization of Wind Tunnel Models for Combat Aircraft	Balaji Haridasu, Srinivasa Rao L and Selvaraj P	S2.7	30	PLM Migration – A Case Study	Manish Kumar Gupta, Tarun K Chaturvedi, Vegesna Vani and Selvaraj P
18:00-18:15	S1.8	26	Electromagnetic induction heating of low melting-point non-magnetic metal for 3D printing	Hemang Kumar Jayant, Kishan Ramesh Kumar and Manish Arora.	S2.8	31	Effective implementation of Aerospace Standard Quality Management System for end-to-end processes using PLM	Amrita Kashyap and Suresh Srivastava
18:15-18:45	Networking in the Lawn							
18:45-19:00	Reassemble in Trinity Hall							
19:00-20:00	Cultural Programme							
20:00-22:00	Banquet							

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Session: 4						
Keynote Address						
Time slot	S No	ID	Topic	Speaker	Designation	Organization
9:00-9:30	K2.1	16	<i>Customer centric Product life Cycle Management</i>	Mr M Raghunandan,	Director	L3 H
9:30-10:00	K2.2	8	<i>Enabling Innovation In Aircraft/Systems Development</i>	Mr. Praveen Mysore	Technical Sales Director BT	Dassault
10:00-10:30	K2.3	14	<i>India's Industry 4.0, an IISc Perspective</i>	Prof Amaresh Chakrabarti	Professor & Head, CPDM	IISc
10:30-11:00	K2.4	9	<i>Focus on PLM and MES to enable Digital Factory</i>	Mr Rashmikant Patel	Specialist Master, Supply chain & Networks Operation Practice	Delloitte, USA
11:00-11:25	Tea Break					
11:25-11:35	P2.1		Sponsor Talk			ANSYS
11:35-11:45	P2.2		Sponsor Talk			Altair
11:45-12:00	P2.2		Sponsor Talk			Dassault
Session: 5						
Keynote Address						
12:00-12:30	K2.5	2	<i>Aircraft Predictive Maintenance in Industry 4 era</i>	Mr Partha Adhikari	IVHM Domain Lead	Airbus, India
12:30-13:00	K2.6	3	<i>Industry 4.0 – Atos Approach</i>	Mr Mohan R Kumar	Head, Digital Factory, Industry 4.0 9PLM/ MES)	Atos
13:00-13:30	K2.7	11	<i>Product Life Cycle management (PLM)- A Cultural shift rather than a technical deployment</i>	Mr D B Chalwade	Executive Director (RWR&DC)	HAL
13:30-14:30	Lunch					
14:30-15:00	K2.8	10	<i>Engineering Netra: Product Life Cycle Challenges</i>	Mr M S Easwaran	DS & Director	DRDO, CABS
15:00-15:30	K2.9	1	<i>Technological Challenges and Solution in Productionization of Combat Aircraft</i>	Dr P Selvaraj	Technology Director (Product Support & Productionization)	ADA
15:30-16:00	K2.10	18	<i>Industry 4.0 Transformation Journey Approach</i>	Mr Viswanathan T	CTO	Maxbyte
16:00-16:30	Tea Break					

Session: 6					Session: 7			
Stream I –Computer Aided Design and Manufacturing					Stream II– Product Lifecycle Management, System Modelling and Simulation			
Time slot	S No	Paper No.	Paper Title	Authors	S No	Paper No.	Paper Title	Author
16:30-16:45	S3.1	12	Bolted Joints in Composite Aircraft Structures : Improvement Through Metallic Inserts	Raghavendra Rao. S, R.K. Ramanathan and N. Shama Rao.	S4.1	39	Time series data analysis techniques on Post-flight data	Aleena Sasikumar
16:45-17:00	S3.2	22	Common Bulkhead Tank Design for Cryogenic Stage of An Indian Launch Vehicle	Yogesh Pratap Singh, Harjit Singh, R Muthu kumar and Prahlad Kumar Sahu.	S4.2	38	Design Process Implementation for an Ongoing Aero Gas Turbine Engine Product Development in PLM	Yuvaraj J, Sivakumar S, Ananda Mohan B S, Nalini T V, Malini M and Balakrishna.
17:00-17:15	S3.3	41	Design Thinking Instructions and Cognitive Processes	Apoorv Naresh Bhatt, Lavannya Suresh and Amaresh Chakrabarti	S4.3	14	Flight Planning Tool: An Aid for Efficient Flight Evaluation	Sukhen Saha, Antim Maida, R Rajesh, Reena Sharma and M S Easwaran.
17:15-17:30	S3.4	9	Innovative Methodology in 3D Tool Surface Generation Accounting the Process Induced Deviation of Composite Part using Mathematical Manipulation	K Senthilnathan, Siddeshwar, BnNaik and Kotresh M Gaddikeri.	S4.4	48	Model driven workflows for Avionics software development	Maruti Sairam Annaluru Venkata and Venkat Reddy G
17:30-17:45	S3.5	29	A Tool for Supporting Conceptual Design of Multiple State Mechanical Devices	Anubhab Majumder and Amaresh Chakrabarti	S4.5	33	Non-Spatial conflict detection using octree based voxel model and physics based constraints	Arun Singh, B. Gurumoorthy and Latha Christie. N

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Session 8								
Keynote Address								
Time slot	S No	ID No.	Topic	Speaker	Designation	Organization		
9:00-9:30	K3.1	15	<i>Towards Realism in the Virtual: Ergonomics with Digital Human Models</i>	Prof Dibakar Sen	Professor, CPDM	IISC		
9:30-10:00	K3.2	13	<i>Product Lifecycle Modelling, Simulation and Synthesis for Spacecraft systems</i>	Dr Alok Shrivastava	Dy Director- Mechanical Systems Area	URSC, ISRO		
10:00-10:30	K3.3	17	<i>Digitization @ L&T Defence</i>	Mr Sanjay Chakraborty	General Manager, IT&Digital	L & T		
10:30-11:00	K3.4	5	<i>Product Development and PLMSS importance</i>	Mr Vinod Jonnagadla	Associate Vice-President	Bharat Forge		
11:00-11:25	Tea Break							
11:25-11:35	P3.1		Sponsor Talk				Tata Technologies	
11:35-11:50	P3.2		Sponsor Talk				L3	
Keynote Address								
11:50-12:20	K3.5	6	<i>Digital transformation Journey– Manufacturing Operations Management</i>	Mr Srinivasan Chockalingam	Senior Manager-IT & DA Product Systems	Boeing, India		
12:20-13:20	LUNCH							
Session 9				Session 10				
Stream I – CAD and Product Development				Stream II– System Modelling and Simulation				
Time slot	S No	ID	Paper Title	Authors	S No	ID	Paper Title	Author
13:20-13:35	S5.1	49	Types of Designers and How to Develop Them	Amaresh Chakrabarti	S6.1	4	Evaluation of Nominal Values for Pointing Accuracy Estimation of Gimbal Assembly of a Seeker Stabilization System	Kushal Singh, Ashish Tewari, Ashok Ponram, Kiran Polamuri, Arjun Vedadri and B Shivadayal Rao.
13:35-13:50	S5.2	35	Responsive Scene Modeling for Quasi-static manipulation by a	Mayank Badola, K.	S6.2	42	Foreground (manufacturing) system modelling for collecting	Ishaan Kaushal and Amaresh Chakrabarti

			DHM	Eazhil Selvan and Dibakar Sen.			LCI data in MSMEs using a conceptual model for Smart Manufacturing Systems (SMSs)	
13:50-14:05	S5.3	2	Development and operational environment effects on life cycle of UAVs: Indian UAVs case study	Manu Jain	S6.3	13	After Action Analysis (AAA) Tool for Airborne Surveillance System Evaluation	Sukhen Saha, R Rajesh, Reena Sharma and M S Easwaran.
14:05-14:20	S5.4	40	Tailoring Methodology for Random Vibration Qualification Levels	Ashish Raman, Chandra kumar Jadi, Ramkumar R V, Sanal kumar T and Shankar M R	S6.4	34	Boolean of tessellated Polyhedrons without a priori Point Classification	Chandrasekhar Sathua and Dibakar Sen.
14:20-14:35	S5.6	45	Threaded Fastener Joint Ontology Using Mereotopology for Concurrent Design	Bibhuti Bhusan Sarangi and Abinash Kumar Swain	S6.5	32	PLM as a System Enabler for Project Management in the design and development of large scale Airborne Surveillance System	S Saigunaranjan and Suresh Srivastava.
14:35-14:50	S5.7	6	Methodical Procedures to Enhance Productive Ratio and Conversion Ratio in a Development Flight Test Programme through Robust Management Principles	Ashakiran Gb, Chandrika Nk and Bg Sunil	S6.6	8	Prediction of thermal fatigue life for SAC305 lead-free solder joints using finite element method	K Saravana kumar and S Saravanan.
14:50-15:05	S5.8	51	UAV Structural Dynamics Performance Simulation, Experiment and Correlation	Akhilesh Jha and S. Sathyamoo rthy	S6.7	15	Experimental Investigation for Welding SS316 using Gas Tungsten Arc Welding Process	K Vijay Kumar and Subhas Chandra Mondal.
15:05-15:20	Tea Break							
15:30-16:30	Valedictory Function <i>Panel Discussion</i> <i>Address by Chief Guest</i>							