

ANNEXURE

PART I - CIMdata Team

Speakers :

- Mr. Peter Bilello President and CEO – [Live](#)
- Mr. James L Roche their Practice Director, Aerospace & Defense – [Online](#)
- To be announced – [Live](#)

Their sessions will be on two days.

Given below are the Target Audience and the deliverable from their workshop.

Target Audience: Chief Digital Officers, PLM leads & program managers, PLM team members, model-based specialists, configuration management personnel, engineering management, product & lifecycle strategists, information technology, and other lifecycle specialists.

Deliverables: will be case studies and all presentation materials. The presentation material that they present can be applicable to any of the these applications such as for performance digital twin, Diagnostics/ prognostics digital twin, RAMS digital twin or lifing (RUL). It is for the user to adapt it.

Day 1: (Thursday, 6 March 2025 | 3:00 pm 4.30 pm and 4.45 pm-7:30 pm IST)

Topics Covered – Definition of Digital Twin/Digital Thread, its place in Digital Transformations, Critical Components, Enabling technologies and Value Additions, Issues and Obstacles and Wrap-up

Day 2: (Friday, 7 March 2025 | 10:30 am 11.30 am and 4:15 pm to 7.30 pm IST)

Topics covered – Review of Digital Twin/Digital Thread Requirements, Case Study Review, Practical Steps for its implementation and Wrap-up

PART II – INVITED SPEAKERS – Academia and Industry

1. Prof. S Gopalakrishnan – [Live](#)

Day 1: [Thursday, March 6, 12 noon to 1.00 pm]

Development of Digital Twin models for diagnosis and Prognosis of corrosion in Aircraft structures

2. Prof. B Dattaguru – [Live](#)

Day 1: [Thursday, March 6, 2.00 pm to 3.00 pm]

Topic to be announced

3. Prof. Dr.-Ing. Martin Eigner – [Online](#)

Day 2: [Friday, March 7, 11.30 am to 1.00 pm and 2.00 pm to 4.00 pm]

Digital Thread and Digital Twin – Foundation for Engineering Digitalization a new Service-oriented Business Models

Speakers Profile:

Peter A. Bilello

Peter Bilello, President & CEO of the strategic management consulting and research firm CIMdata—an internationally recognized authority on Product Lifecycle Management (PLM)—has more than 35 years of experience in the development of business-enabling information technology (IT) solutions for research, engineering, and manufacturing organizations worldwide. He has participated in PLM analysis, selection, implementation, and training; CAD/CAM/CAE/CIM implementation and management; synchronous and lean manufacturing consulting; software engineering; and general data management strategy development and support. He has authored numerous papers and research reports on PLM and related topics, and his articles, commentaries, and perspectives have appeared in publications throughout the United States, Europe, and Asia

James L. Roche

Practice Director, Aerospace & Defense CIMdata WORKSHOP James Roche has over 40 years of experience in digital transformation and IT enablement of product development and manufacturing processes. He has been a strategic advisor, program manager, and solution architect for PLM programs across the Americas, Europe, and Asia.

As CIMdata's (www.cimdata.com) global Aerospace and Defense Practice Director, Mr. Roche provides thought leadership and leads the creation and delivery of CIMdata's offerings for Aerospace & Defense industrial clients. His areas of research focus include digital thread, digital twin, bill of materials management and model-based systems engineering. Mr. Roche's role includes facilitation of the Aerospace & Defense PLM Action Group (www.ad-pag.com), an association of 11 aerospace OEMs and Tier 1 suppliers. Founded in 2014, the Aerospace & Defense PLM Action Group functions as a PLM advocacy group to set the direction for the industry on PLM-related topics that matter to its members.

Speaker 3 – To be announced

Prof. S Gopalakrishnan

Prof. Gopalakrishnan is a Senior Professor at the Department of Aerospace Engineering, Indian Institute of Science (IISc), Bangalore. He holds a Master's degree in Engineering Mechanics from IIT Madras and a PhD from Purdue University, USA. His expertise spans wave propagation in complex media, computational mechanics, smart structures, MEMS, and nano composite structures.

Prof B Dattaguru

Dattaguru continued his association with the IISc by joining its faculty in the aerospace engineering department in 1964. After receiving his PhD in 1973, he worked there as an assistant professor, associate professor and a professor, before retiring as chairman of the aerospace engineering department in June, 2004. During his time at the IISc, Dattaguru worked with the space technology researchers, including the president, A.P.J. Abdul Kalam, Kota Harinarayana, Kasturi Rangan and R. Chidambaram. As a faculty, Dattaguru guided a number of research scholars. He visited the US, Australia, Hong Kong and several other countries as visiting professor. Dattaguru became an emeritus professor of the IISc after his retirement and now he is a visiting professor at Jain university, Bangalore.

Prof. Dr.-Ing Martin Eigner

After graduating from the University of Karlsruhe in Germany in 1980, Prof. Martin Eigner assumed the role of head of PMT (Process, Methods, Tools) at Robert Bosch GmbH. In 1985, he founded EIGNER + PARTNER AG - the first PDM/PLM company in the world. In 2003, he established EIGNER Engineering Consult, a consulting firm dedicated to optimizing engineering processes, with a particular emphasis on product lifecycle management and engineering digitalization. From October 2003 to September 2017, Prof. Eigner served as the head of the Institute for Virtual Product Engineering at the University of Kaiserslautern and currently continues his work with EIGNER Engineering Consult. Prof. Eigner has been lecturing at various universities since 1984 and has authored or co-authored fifteen books along with numerous papers on topics such as PLM, MBSE, Engineering Digitalization, AI, and the Industrial Internet.