



Agenda 28th International DSM Conference 2026
Politecnico di Milano, Italy
September 29 - October 1, 2026



	Monday, September 28	Tuesday, September 29	Wednesday, September 30	Thursday, October 1	
8:30 AM		Registration			8:30 AM
8:45 AM					8:45 AM
9:00 AM			Travel to ABB venue in Bergamo		9:00 AM
9:15 AM		Interactive DSM Experience T. Browning		Keynote Presentation NEM	9:15 AM
9:30 AM					9:30 AM
9:45 AM			Keynote Presentation ABB	Extended Abstracts Session - From Observing Complexity to Making Architecture Decisions -	9:45 AM
10:00 AM					10:00 AM
10:15 AM		Coffee Break	Coffee Break		10:15 AM
10:30 AM					10:30 AM
10:45 AM		Welcome Remarks	Introduction to Industry Sprint Workshop (ISW) Task	Coffee Break	10:45 AM
11:00 AM					11:00 AM
11:15 AM		Keynote Presentation Zuken	Parallel Industry Sprint Workshop (ISW) Sessions	Full Paper Session 4 - Managing Variety in Modular Product Architectures -	11:15 AM
11:30 AM					11:30 AM
11:45 AM					11:45 AM
12:00 PM					12:00 PM
12:15 PM					12:15 PM
12:30 PM		Lunch Break			12:30 PM
12:45 PM				Conference Closing	12:45 PM
1:00 PM					1:00 PM
1:15 PM		Full Paper Session 1 - Dependency Modeling in the Age of Data and AI -	Lunch Break	Lunch break	1:15 PM
1:30 PM					1:30 PM
1:45 PM					1:45 PM
2:00 PM					2:00 PM
2:15 PM		Leg stretch	Parallel Industry Sprint Workshop (ISW) Sessions	Lab Visits	2:15 PM
2:30 PM		Full Paper Session 2 - Design Decisions Under Uncertainty and Constraints -			2:30 PM
2:45 PM					2:45 PM
3:00 PM					3:00 PM
3:15 PM					3:15 PM
3:30 PM		Coffee Break	Workshop Results Presentation		3:30 PM
3:45 PM					3:45 PM
4:00 PM		Industry Insight - T. Keeble			4:00 PM
4:15 PM			Coffee Break		4:15 PM
4:30 PM	Registration	Full Paper Session 3 - Applying DSM Across Organizations and Engineering Workflows -			4:30 PM
4:45 PM					4:45 PM
5:00 PM			DSM Community Forum S. Eppinger		5:00 PM
5:15 PM		Leg stretch			5:15 PM
5:30 PM		Solution Provider Session: Pitches			5:30 PM
5:45 PM					5:45 PM
6:00 PM		Day Closing	Day Closing		6:00 PM
6:15 PM					6:15 PM
6:30 PM	Inofficial Get-Together at own expense (only restaurant reservation organized by conference hosts)	Reception with fingerfood	Solution provider session (small exhibition)	Change of location to dinner location	6:30 PM
6:45 PM					6:45 PM
7:00 PM			Conference Dinner		7:00 PM

DSM2026 - Paper Sessions		
Full Papers: 12 min per paper total (9 min presentation time and 3 min Q&A recommended)		
Extended Abstracts: 10 min per abstract total (6 min presentation time and 4 min Q&A recommended)		
Full Paper Session 1 - Dependency Modeling in the Age of Data and AI		
September 29, 1:15 PM Chair: Gaetano Cascini		
	Paper Title	Presenting Author
1	A Matrix-Based Method for the Classification and Analysis of Data-Driven Design Use Cases	Christopher Langner
2	A Dependency Modelling Framework for Integrating SysML Models and Failure Logs in a Knowledge Graph to Enhance FMEA through Knowledge Inference	Zvonimir Lipsinic
3	Design Structure Matrix Modularization with Large Language Models	Shuo Jiang
4	Addressing LLM Creativity and Customization Paradox in Data Science: A DSM-Based Exploration of Underlying DevOps Process	Nitin Mayande
5	AI-Assisted Refactoring for Coupling Reduction: Integrating DSM Analysis with the Model Context Protocol and Reinforcement Learning	Neil Langmead
Full Paper Session 2 - Design Decisions Under Uncertainty and Constraints		
September 29, 2:30 PM Chair: Steven Eppinger		
	Paper Title	Presenting Author
1	Categorization of Designer Material Perception and Its Structural Correspondence with Physical Material Properties	Eunji Kang
2	Dynamic Time- and Release-Indexed Feature-Component Dependency Matrices for Representing and Analyzing Configuration Validity	Fionn Winger
3	FRAM Extended Browning-Eppinger Simulation (FEBS): A Multidimensional Coupling Model for Functional Resonance Risk Assessment	Daniele Grazzini
4	A DSM-Based Approach to Compare Kinematic Concepts Under Failure Risk: Application to RCBO Mechanism Design	Federico Morosi
5	A Frugal, Dependency-Driven Design of a Compact Assistive Mobility System for Constrained and Emergency Environments	Kumar Gaurav
Full Paper Session 3 - Applying DSM Across Organizations and Engineering Workflows		
September 29, 4:00 PM Chair: Ali Yassine		
	Paper Title	Presenting Author
1	Innovation-Ecosystem Modeling Using Multi-Domain Matrices	Chloe Aben
2	Using a Multi-Domain Matrix Approach to Manage Cross-Domain Dependencies in Multi-Brand Organizations - An Exploratory Case Study	Oliver Mitschang
3	Beyond Coordination: A Multi-Criteria DSM Clustering Approach Tested on AI Center of Excellence Design in Pharmaceutical Medical Affairs	Runar Solberg
4	Scaling and Varying a Service Engineering Blueprint Through a DSM	Martin Azzouni
5	Workflow-Based Opportunity Assessment for Additive Manufacturing	Tina Hajali
Extended Abstracts Session - From Observing Complexity to Making Architecture Decisions		
October 1, 9:45 AM Chair: Tyson Browning		
	Paper Title	Presenting Author
1	Observing Across Systems: Systemic Observational Capacity for DSM-Based Complexity Management	Dora dos Santos
2	Modeling the Systemic Interdependencies Driving the Decline of Radical Product Form Innovation in the Smartphone Industry: A Literature-Based Design Structure Matrix (DSM) Approach	Pezhman Salehzadeh Moghaddami
3	ClusterFocus: Recursive Clustering of Engineering Components Using Local Metadata Representations for Reuse-Oriented Systems Engineering	Katharina Schmucker
4	Design Team Formation Using Multi-Objective Optimization and Solution Space Landscape Analysis	Kazuya Oizumi
5	AI-Supported Complexity Cost Assessment: From Value Stream Mapping to Scalable Decision Support	Peter Greiner
6	A - Decisions in Architecture Development and Implementation - Case from ROCKWOOL	Niels Henrik Mortensen
Full Paper Session 4 - Managing Variety in Modular Product Architectures		
October 1, 11:15 AM Chair: Massimo Panarotto		
	Paper Title	Presenting Author
1	Renewal of Modular Product Platforms: Towards a Comprehensive Modeling Method for Managing the Transition	Sean Ryan Mueller
2	DSM Construction and Module Partition of Small Modular Molten Salt Reactors Based on Requirement-Function-Structure Mapping	Wei Guo
3	Interface Standardization and Cost of Complexity Assessment: Enhancements to the Impact Model of Modular Product Families,	Maximilian Ridder
4	A Model-Based Approach for Variety-Oriented Interface Design in Modular Product Families	Pascal Inselmann
5	Change Propagation Analysis for Systems with Design Margins	Arindam Brahma
6	Structuring Product Family Variability Through DSM-Informed Parametric CAD Modeling	Niccolo Becattini
7	Combining Sustainability with Modular Platform Design: Insights from the Circuit Breaking Industry	Alessandra Lupo