



# DSM2025 - Agenda

All breaks will be held in UCC, Lower Level Pre-function Space  
All sessions will take place in UCC Tech Flex Auditorium

				
	Wednesday September 24	Thursday September 25	Friday September 26	
8:30 AM	Registration			8:30 AM
9:00 AM	Interactive DSM Experience Part 1 T. Browning	Keynote Presentation T. McDermott	Keynote Presentation A. Farid	9:00 AM
				9:30 AM
9:45 AM	Registration & Coffee Break	Introduction to Industry Sprint Workshop Task (ISW)	Extended Abstract Session Chair: T. Browning	
10:00 AM	Interactive DSM Experience Part 2 T. Browning	Coffee Break	Coffee Break	10:00 AM
10:45 AM	Registration & Coffee Break	Parallel Industry Sprint Workshop Sessions 1	Full Paper Session 4 - Applied DSM in Practice - Chair: T. Browning	10:45 AM
11:15 AM	Welcome Remarks A. Yassine			
11:45 AM	Keynote Presentation G. Thurston		Coffee Break	11:45 AM
12:30 PM	Lunch Break	Lunch Break	Industry Insight 3 F. Waldman	
			Full Paper Session 5 - Sustainability - Chair: A. Yassine	12:45 PM
1:30 PM	Full Paper Session 1 - Advances in Modeling Approaches - Chair: S. Eppinger	Parallel Industry Sprint Workshop Sessions 2	Closing Session A. Yassine	1:30 PM
		Workshop closing		
2:45 PM		Selected Paper Awards		
3:15 PM	Coffee Break	Coffee Break		
4:00 PM	Industry Insight 1 F. Waldman	Full Paper Session 3 - Project Management and Organizational Design - Chair: A. Yassine		
4:30 PM	Full Paper Session 2 - Product Development and Architecture - Chair: M. Kreimeyer	Industry Insight 2 S. Bhaskara		
5:00 PM		Day Closing		
5:30 PM		Change of Location to Dinner Event		
5:45 PM	Day Closing			
6:00 PM				
7:00 PM	Reception	Conference Dinner <i>Sundancer Yacht</i>		



## DSM2025 - Paper Sessions

Full Papers: 15 min presentation time and 5 min Q&A  
Extended Abstracts: 10 min presentation time and 5 min Q&A

**STEVENS**  
INSTITUTE OF TECHNOLOGY

### Full Paper Session 1 - Advances in Modeling Approaches

September 24, 1:30 PM

<i>Paper Title</i>	<i>Presenting Author</i>
DSM Relational Structures Extended With Fuzzy Sets Of Higher Types	Paul, Satyam
Factored Dependency Structure Matrix for Representation of Multi-Connection Systems	Roh, Heekun
Utilizing DSM and SysML for Modeling Data Flows in Complex Networks – A Case Study on Autonomous Public Transportation	Langner, Christopher
DSMs for Organization Design: Incorporating Additional Criteria in Clustering Algorithms	Solberg, Runar
From Text to Structure: Extracting and Validating Complex System Representations Using Large Language Models	Lipizzi, Carlo

### Full Paper Session 2 - Product Development and Architecture

September 24, 4:15 PM

<i>Paper Title</i>	<i>Presenting Author</i>
Holistic Model-Based Perspective on MedTech-Pharma Interfaces for New Combination Product Development	Menshenin, Yaroslav
Two Sides of One Coin: Aligning Configuration System with Product Architecture for ETO Products	Zhao, Qingsong
Formalizing Constraint-Based Configuration of Variant-Rich Products through Dependency Modeling using Multiple-Domain Matrices	Schmidt, Thorsten
Methodology for Predictive Value Engineering in the Early Product Development Phases	Musa, Tarek

### Full Paper Session 3 - Project Management and Organizational Design

September 25, 3:30 PM

<i>Paper Title</i>	<i>Presenting Author</i>
Enhancing Workflow Efficiency in Innovative Automotive Processes: A Structured Approach Using DMM and DSM Matrices	Grazzini, Daniele
Managing Project Complexity Using a Matrixed-Based Approach	De Lessio, Mark
Using DSM for Zoning of Tourism Flight Routes in Islands	Pourghadiri, Paniz

### Full Paper Session 4 - Applied DSM in Practice

September 26, 10:45 AM

<i>Paper Title</i>	<i>Presenting Author</i>
Standardisation Of Field Hospital Development Through A DSM	Azzouni, Martin
Application of Design Structure Matrix To Advance Train Control Systems Harmonization	Efemuai, Martins
Vehicle Software Configuration Strategies for SDVs: A Comparative Analysis of On-Board and Off-Board Methods	Lindebauer, Yannick

### Full Paper Session 5 - Sustainability

September 26, 12:45 PM

<i>Paper Title</i>	<i>Presenting Author</i>
Towards Sustainability Modelling with Attribute Dependency Graphs - A Case Study on Industrial Robots	Schröder, Philipp
Product Structural Complexity and Sustainability Impact: A Design Structure Matrix Approach	Basereh Taramsari, Hossein

### Extended Abstracts Session

September 26, 9:45 AM

<i>Paper Title</i>	<i>Presenting Author</i>
Cognitive Load Model In The Context Of Decision-making	Melnykova, Olena
Retrieving Asymmetrical Indirect Links Through Large Language Models	Koh, Edwin