NAFEMS

**Two conferences in one place.**
**Invitation and preliminary conference agendas**

# spdm2026 CONFERENCE

NAFEMS

27–28 OCTOBER 2026 | MUNICH | GERMANY

# AI & ML IN CAE APPLICATIONS

NAFEMS CONFERENCE | 28-29 OCTOBER 2026 MUNICH • GERMANY

**Take this opportunity to learn more about the current state of the art in SPDM and AI/ML in Engineering Simulation.**

- **Keynote presentations:**
  **Volkswagen, Stellantis, Fujiseat, Hilti, Nvidia, Pasteur Labs, yasAI, ...**
- **88 technical presentations**
- **25 sessions**
- **Workshop**
- **Panel Discussion**
- **Short Training**
- **Accompanying exhibition**
- **Networking, exchange of experience and information**
- **Open for NAFEMS members and non-members, where NAFEMS members can use seminar credits for free attendance.**

**You have three registration options:**

**Register for the SPDM Conference only here**

**Register for the AIML Conference only here**

**Register for both the SPDM and AI Conference (save 25%) here**

Version 5 - 02.07.2026

* Free participation for NAFEMS members using 4 NAFEMS seminar credits for each conference, 6 seminar credits for both conferences.

## SPDM Conference

NAFEMS has organised SPDM conferences for decades at which leading industrial organisations which have invested in fit-for-purpose SPDM solutions have reported Digital Thread traceability, increased confidence in simulation results and significant productivity gains. SPDM deployments have also given rise to unexpected benefits such as the ability to rapidly stand up a functional Digital Twin of a specific instance of a product and validate its performance. Now, those who have invested in SPDM are reaping the further benefits of a large database of validated data with which to train AI agents and a platform to run AI agents traceably and safely. NAFEMS is therefore pleased to announce the joint SPDM and AI conference which addresses these linked domains

The conference offers a unique forum for experts from different industries, academia, consultancies, and software vendors to share their knowledge, concepts, challenges, and solutions in Simulation Process and Data Management. NAFEMS has played a key role in establishing the value of SPDM systems, and this event is a great opportunity to connect with peers and continue this essential work.

## AI/ML Conference

Machine learning and surrogate models have been part of engineering practice for decades. In particular, surrogate-based approaches coupled with numerical simulation are an industrial standard for design optimization. They enable efficient exploration of large design spaces based on integral quantities such as loads or efficiencies. Today, a new generation of predictive models is emerging. These models go beyond integral values – they can predict high-dimensional outputs such as spatially and time-resolved quantities. While the potential impact on CAE-based workflows is significant, especially in accelerating processes and being free of traditionally limiting CAD design parameters, industry adoption is slow. Questions regarding robustness, data generation, generalization, validation, and integration into existing simulation environments remain.

Explore what is already possible in CAE with AI, where current limitations are, and what engineers should pay attention to when adopting these new models in practice. Discuss trustworthy machine learning, covering topics like model explainability, uncertainty quantification, confidence estimation, and validation strategies that are specifically suitable for engineering applications.

## Two conferences in one place

The SPDM Conference takes place in conjunction with the Artificial Intelligence and Machine Learning in CAE Applications Conference. The second day of the SPDM Conference is dedicated to SPDM and AI/ML, which will also be the focus of the first day of the Artificial Intelligence and Machine Learning in CAE Applications Conference.

Delegates will be able to attend either one or both conferences with an overlapping session on day two to exploit the synergies between the two focus subjects.

## Why attend both conferences?

The second day serves as a collaborative bridge. While the SPDM Conference provides the high-quality data architecture, the Artificial Intelligence and Machine Learning in CAE Applications Conference provides the predictive power to use that data. Attendees gain a holistic view of the Data-to-Decision lifecycle.

## Tuesday, 27 October - SPDM Conference day 1

| | | | |
|---|---|---|---|
| 10:30 | **Opening SPDM Conference** | | |
| 10:40 | 1A SPDM Keynote-Speakers | | |
| 12:10 | Lunch Break | | |
| 13:20 | 2A SPDM | 2B SPDM | |
| 14:40 | Break | | |
| 15:30 | 3A SPDM | 3B SPDM | |
| 16:50 | Break | | |
| 17:30 | 4A SPDM Panel Discussion | | |
| 18:30 | SPDM get-together in the exhibition hall | | |

## Wednesday, 28 October - SPDM Conference day 2 / AIML Conference day 1

| | | | |
|---|---|---|---|
| 08:30 | 5A SPDM Workshop | | |
| 09:50 | Break | | |
| 10:40 | **Opening AIML Conference - continue SPDM Conference** | | |
| | 6A SPDM / AIML Keynote-Speaker | | |
| 12:10 | Lunch Break | | |
| 13:20 | 7A SPDM/AIML | 7B SPDM/AIML | 7C SPDM/AIML |
| 14:40 | Break | | |
| 15:30 | 8A SPDM/AIML | 8B SPDM/AIML | |
| 16:50 | **End of SPDM Conference** / Break for AIML Conference | | |
| 17:30 | 9A AIML - CFD | 9B AIML - MP/MBSE | 9C AIML - OPTIM./SciML |
| 18:50 | AIML get-together in the exhibition hall | | |

## Thursday, 29 October - AIML Conference day 2

| | | | |
|---|---|---|---|
| 08:30 | 10A AIML Keynote-Speakers | | |
| 10:10 | Break | | |
| 11:10 | 11A AIML - STRUCT./CRASH | 11B AIML - CFD | 11C AIML - VALIDATION |
| 12:30 | Lunch Break | | |
| 13:30 | 12A AIML - ELECTR/BATT | 12B AIML - CFD | 12C AIML - OPTIMIZATION |
| 14:50 | Break | | |
| 15:30 | 13A AIML - OPTIMIZATION | 13B AIML - VIS/PREP/INFRA | 13C AIML - SHORT COURSE |
| 16:50 | **End of AIML Conference** | | |

Accompanying exhibition of software providers and service providers

SPDM Conference

AIML Conference

Agenda subject to change.

# AGENDA – TUESDAY, 27 OCTOBER - SPDM CONFERENCE DAY 1

**Room A**

## 1A SPDM WELCOME & KEYNOTE PRESENTATIONS

**10:30** **Welcome and Introduction**
Albrecht Pfaff (Consultant); Tim Morris (NAFEMS)

**10:40** **Keynote Presentation:**
**Practical Knowledge Lineage Management for CAE: A 20-Year Industrial Experience Evolving from Daily Engineering Challenge**
Kiyoshi Tsujimoto (Fujiseat)

**11:10** **Keynote Presentation:**
**CAD Data in SDM Systems – A Practice-Oriented Report**
Michael Göttlinger (Hilti Entwicklungsgesellschaft); Markus Weinberger (Cadence)

**11:40** **Keynote Presentation:**
**Twenty-Five Years as an SPDM User - Lessons From Our Journey**
Steve Howell (Abercus)

**12:10** **Platinum-Sponsor Presentation:**
**CAIQ**
tbc

**12:20** Lunch Break

| | **Raum A** | **Raum B** |
|---|---|---|
| | **2A SPDM** | **2B SPDM** |
| **13:20** | **The Fundamentals of SDM, SPDM and DEMS Technologies and How to Deploy Rapidly**<br>Marc Norris (openSPDM) | **Structured Simulation Process and Data Management for Vehicle Thermal Analysis Models: A BPMN-Based Framework**<br>Giljae Song, Sunkil Yun, Kyongryol Yoon, Hyunwook Park, Wonsik Kim (Hyundai Motor Company) |
| **13:40** | **From Models to Decisions:**<br>**A Digital Engineering Approach to Virtual Release**<br>Rene Honcak (ZF Group) | **Accelerating SPDM Adoption with Accessibility-First**<br>Silvia Poles (Siemens Digital Industries Software) |
| **14:00** | **Simulation Strategy, SPDM Selection, and Readiness for AI/ML as the Third Pillar of Verification and Validation**<br>Sebastian Schweigert-Recksiek (:em engineering Methods); Romit Kulkarni (Trumpf) | **Towards Adaptive Simulation:**<br>**An SPDM And Digital Thread Challenge**<br>Mikhail Kondrashenkov, Declan Nolan, Trevor Robinson (University Belfast); Nigel Taylor (MBDA); Jon Gregory, Shiva Babu (Rolls-Royce) |
| **14:20** | **Virtual Engineering 2.0 – KI-gestütztes Simulationsprozess- und Datenmanagement auf dem Vormarsch**<br>Alexander Köppe (CAIQ) | **SPDM Evaluation and Implementation at a Nuclear Security Enterprise Manufacturing Site**<br>Ryan Jennings (Kansas City National Security Campus) |
| **14:40** | Break | |
| | **3A SPDM** | **3B SPDM** |
| **15:30** | **Implementation of SPDM at Bentley Motors**<br>Kyle Downes (Bentley Motors) | **Integrating Simulation into the Enterprise Digital Fabric**<br>Juan Manuel Lorenzi, Diana Manvelyan-Stroot, Harald Völkl, Klara Ziegler (Siemens); Daniel Berger, Wouter Dehandschutter (Siemens Industry Software); Dominik Schmidt, Wolfgang Wetzel (Siemens Mobility) |
| **15:50** | **Managing Complexity in Automotive Product Development Through Integrated Data Management**<br>Andreas Nicklaß (GNS Systems) | **Closing the Loop: Automated SPDM Integration within Collaborative PIDO Platform for End-to-End Simulation Traceability**<br>Laurent Chec (pSeven) |
| **16:10** | **Simulation Meets MBSE: Providing the Context for Virtual Validation through Integrated Engineering Processes**<br>Christian Tschirner (Two Pillars); Stephan Stieren (Fraunhofer IEM) | **Towards a Tool-Agnostic Ontology for Detailed Engineering Simulation**<br>Klara Ziegler (Siemens Technology Center Garching); Juan Manuel Lorenzi, Maja Milicic Brandt (Siemens); Roland Wüchner (Technical University of Munich (TUM)) |
| **16:30** | **How to Successfully Deploy SDM, SPDM and Digital Engineering for Modelling and Simulation – Lessons Learnt from the NAFEMS SPDM Best-Practices Focus Team**<br>Marc Norris (openSPDM); Albrecht Pfaff (Consultant) | **Inertia Equivalent Cuboids and Mass Crosses**<br>Felix Uptmoor (Grimme Landmaschinenfabrik) |
| **16:50** | Break | |

## 4A SPDM

**17:30** **Panel Discussion**
Moderated by
Albrecht Pfaff (Consultant)

**18:30** **SPDM Get Together in the Exhibition Hall**

**Networking, discussion, and expert talks over drinks and snacks**

**20:30** **End of SPDM Conference Day 1**

Agenda subject to change.

# AGENDA – WEDNESDAY, 28 OCTOBER - SPDM CONFERENCE DAY 2 / AIML CONFERENCE DAY 1

**Raum A**

| 5A SPDM WORKSHOP | |
|---|---|
| **Workshop: SPDM Benchmarks**<br>Moderated by Steve Howell (Abercus); Mark Norris (openSPDM); Albrecht Pfaff (Consultant)<br><br>The uptake of SPDM seems to lag behind that of other simulation technologies such as FEA and CFD. Why is that?<br><br>One reason might relate to trust in the SPDM tools currently available. This was an analogous concern for CFD and FEA in the early 1980s and, to address this, NAFEMS was founded. NAFEMS' first task was to develop benchmarks against which the predictions of the emerging FEA codes could be compared, and this has continued as the bedrock of NAFEMS' success and that of the simulation community even now, over forty years later. The message is simple – success is built on trust.<br><br>Back to SPDM and how do we improve trust? Could the development of some standard SPDM benchmarks help? Is this even possible?<br><br>This workshop will provide an opportunity to openly discuss and brainstorm this idea… | 08:30 |
| Break | 09:50 |

## Opening AIML Conference - SPDM Conference continued

**Room A**

| 6A SPDM / AIML KEYNOTE PRESENTATIONS | |
|---|---|
| **Welcome to day 2 of SPDM and to day 1 of AIML conference - short Introduction**<br>Albrecht Pfaff (Consultant); Tim Morris (NAFEMS) | 10:40 |
| **Keynote Presentation:**<br>**Making the Match for CAE: Process, Data Management and AI**<br>Georg Eichmueller (Volkswagen) | 10:50 |
| **Keynote Presentation:**<br>**Trust the Brakes, Not the Engine: How Controlled AI Turns Faster Simulation into Defensible Design Decisions**<br>Max Kassera (yasAI) | 11:20 |
| **Keynote Presentation:**<br>**tba**<br>tba | 11:50 |
| Lunch Break | 12:10 |

| Raum A | Raum B | Raum C | |
|---|---|---|---|
| 7A SPDM / AIML | 7B SPDM / AIML | 7C SPDM / AIML | |
| **Evolving SPDM for The AI and Agentic Engineering Era**<br>John William (Rescale) | **Unveiling The Potential of Machine Learning: A Deep Dive to Leverage Surrogate Modelling in Structural Analysis of Aircraft Structures**<br>Christian Ferber, Antonia Franke (Airbus) | **From Data Management to Knowledge Management: How Native SPDM in PLM Enables AI-Driven Engineering**<br>David Adamietz, Kevin Seidler (Siemens Digital Industries Software) | 13:20 |
| **Addressing Accountability in the Integration of Predictive AI into Engineering Processes**<br>Marc Vidal (Cadfem) | **ML-Based Database for Anomaly Detection and Robust Design for Crash Simulations**<br>Dominik Borsotto (Sidact) | **From Archive To Oracle: Turning Your Governed Simulation Data Into Predictive Power**<br>Robert Cordina (Funis Consulting) | 13:40 |
| **A Retrieval-Augmented Knowledge Layer for Simulation Process and Data Management**<br>Fan Yang (European XFEL) | **Optimizing Engineering Simulation with Centralized Data Management, AI, and the Digital Thread**<br>Romain Klain (Rescale) | **Engineering Methodology in the Age of AI Agents: From Expert Bottleneck to Institutional Asset**<br>Laurent Chec (pSeven) | 14:00 |
| **From Simulation Data Management to Engineering Intelligence: AI-Integrated Requirement Robustness Assessment**<br>Simon Mayer, Florian Dirisamer (dAIve); Alexander Köppe (CAIQ) | **Efficient Storage and Interaction with Sets of Simulation results for AI/ML and its Application of ML-Techniques for Event Detection**<br>Stefan Müller, Nouran Abdelhady, Dominik Borsotto, Kirill Schreiner, Sidhart Suresh, Tobias Weinert (Sidact) | **AI Empowered Engineering: Virtual Companions**<br>Daniel Vallicotti (Dassault Systemes) | 14:20 |
| Break | | | 14:40 |

Agenda subject to change.

## AGENDA – WEDNESDAY, 28 OCTOBER - SPDM CONFERENCE DAY 2 / AIML CONFERENCE DAY 1

| | Raum A | Raum B |
|---|---|---|
| | 8A SPDM / AIML | 8B SPDM / AIML |
| 15:30 | **Standardised Data Exchange between CAx and AI/ML Processes via VMAP**<br>Klaus Wolf (VMAPStandards Community); Pryjanka Gulati (Fraunhofer Institut SCAI) | **A Practical Example of Integrating Agentic AI into CAE Workflows Enabled by Simulation Data Management**<br>Marko Thiele (Scale) |
| 15:50 | **Simulation Data Governance in the Age of AI: An SPDM Framework for Traceability, AI/ML Models Execution and Collaborative Decision Making**<br>Marco Turchetto, Alessandro Viola, Luca Muscara, Luca Battaglia, Angela Scardigli (Esteco) | **Why Surrogate Models Stall at the Pilot Stage: A Three-Layer Reference Architecture for AI-Native CAE**<br>Aniket Kulkarni (Curlscape Solutions) |
| 16:10 | **Next-Generation SPDM: AI-Native Architecture for Simulation Process Data Management & Intelligence**<br>Vijayram Harinathan (Invisibl Cloud Solutions) | **The Strategic Role of Deterministic AI in Engineering Simulation**<br>Bruce Webster, Karlheinz Peters (Novus Nexus) |
| 16:30 | **Shaping The Future Of AI-Enabled SPDM In CAE: A Lightweight Framework For Automated Workflow And Metadata Capture**<br>Tayeb Zeguer, Mayur Bachhav (Eshocan) | **Democratizing Simulation Workflows Through Agentic Orchestration**<br>Leonel Garategaray (Inensia) |
| 16:50 | Break | |

**End of SPDM Conference day 2 - AIML Conference continued**

| | 9A AIML - CFD | 9B AIML - MP/MBSE | 9C AIML - OPTIMIZATION/SCIML |
|---|---|---|---|
| 17:30 | **Independent-Parameter Machine Learning Surrogates for Conjugate Heat Transfer Design Workflows with Engineer-Facing Deployment**<br>Joshua Coleman (Polaris Industries) | **Multi-Physics Surrogates in Production: A Lead Battery Sensor Case Study**<br>Marco Panzeri, Christine Schwarz, Ceyhun Sahin (Noesis Solutions) | **Serving Massive Simulation Datasets for SciML Efficiently**<br>José Vicente Aguado (Miura Simulation) |
| 17:50 | **How to Find the Right CAE Agent Architecture for you?**<br>Pierre Sabrowski, Johannes Gutekunst (Dive CAE) | **From Physics Based Simulation to AI Driven Models of Stent Frames for Transcatheter Valve Replacement**<br>Nils Karajan (Synopsis) | **From Physics Based Simulation to AI Simulation-Driven Design – From Topology Optimization to Generative AI and How to Combine Both**<br>Paul Maurerlehner (Simens Digital Industries) |
| 18:10 | **A First-Principles View of AI-Orchestrated CAE Workflows**<br>Mattia Montanari (PhysicsX) | **From Models To Decisions: A Digital Engineering Approach To Virtual Release**<br>Rene Honcak (ZF Group) | **AI-Supported Turbine Design Optimization with Surrogate Models and Physical AI Outlook**<br>Sebastian Strönisch, Jason Abdallah (Siemens Energy Global) |
| 18:30 | **Agentic Engineering + Physics AI: Combining Foundation Models and Orchestrated Simulation Workflows in Industrial Product Development**<br>Jon Wilde (SimScale) | **MBSE as Enabler for Agentic AI for Simulation Workflow Management**<br>Juho Könnö, Isa Banagar, Iiso Kramsu (SysAI) | |
| 18:50 | **AIML Get Together in the Exhibition Hall**<br>**Networking, discussion, and expert talks over drinks and snacks** | | |
| 20:50 | **End of AIML Conference Day 1** | | |

## AGENDA – THURSDAY, 29 OCTOBER - AIML CONFERENCE DAY 2

| | Room A |
|---|---|
| | 10A AIML KEYNOTE PRESENTATIONS |
| 08:30 | **Welcome to day 2 of AIML conference**<br>Albrecht Pfaff (Consultant); Tim Morris (NAFEMS) |
| 08:40 | **Keynote Presentation:**<br>**Accelerating Industrial Engineering: From Product Design to Manufacturing in the AI Supercomputing Era**<br>John Linford (Nvidia) |
| 09:10 | **Keynote Presentation:**<br>**From CAE Data to Simulation Intelligence Agents: A Readiness Guide for Industry**<br>Astrid Walle (Pasteur Labs) |
| 09:40 | **Keynote Presentation:**<br>**AI and ML – Industrial Application and Expectation**<br>Thorsten Pohl, Laurent Genest (Stellantis) |
| 10:10 | Break |

Agenda subject to change.

# AGENDA – THURSDAY, 29 OCTOBER - AIML CONFERENCE DAY 2

| Raum A | Raum B | Raum C | |
|---|---|---|---|
| **11A AIML - STRUCTURE/CRASH** | **11B AIML - CFD** | **11C AIML - VALIDATION** | |
| **Evolving SPDM for The AI and Agentic An Intelligent Assistant for Automotive Design for Crashworthiness - Development and Application Insights**<br>Maximilian Neururer (Volkswagen) | **On the Use of ML Surrogates for Predicting 3D CFD Field Data - A Journey with NAFEMS - CFDWG AIML Focus Group**<br>Steve Howell (Abercus); Max Kassera (yasAI); Justin Hodges (CoreWeave); Rob Rowsell (Wirth Research); Sunil Vytla (Cadance) | **Challenges in Using AI/ML for Civil Engineering Structures**<br>Jens Henrik Nielsen, Mwansa Tilsted Mumba, Lars Dick-Nielsen, Christen Christensen, COWI) | 11:10 |
| **Domain Knowledge-Guided Hybrid AI for Vehicle Crash Prediction via Behavioral Regime Decomposition**<br>Niranjan Ballal, Thomas Soot, Michael Dlugosch (Fraunhofer Institute for High-Speed Dynamics, EMI) | **Physics-Informed CFD Surrogates for Rotating Flow Modeling**<br>Petr Kaftan (inspire) | **Visualizing and Understanding ML Model Outputs in Engineering Simulation from a Web-Based Interface**<br>Antonis Perifanis (BETA CAE Systems) | 11:30 |
| **Beyond Single-Component FE: Operator Learning for Multi-Component and Gearbox Analysis**<br>Alex Donzelli, Matthias Bonvin, Antonio Polino, Burigede Liu (Fainite) | **Machine Learning-Based Analysis of Turbulent Flow Data from Multiple Simulations**<br>Jochen Garcke, Christian Gscheidle (Fraunhofer SCAI) | **Benchmarking ML Architectures using a NAFEMS Vendor-Neutral Dataset**<br>John William (Rescale) | 11:50 |
| **Mesh-Independent Results Prediction by Machine Learning – Supporting Different Free Shape Geometry Variants**<br>Cornelia Thieme (MSC Software, Part of Cadence) | **A GNN Surrogate for Naturally Ventilated Dairy Barns: An Open-Source CAE Workflow**<br>Fabian Pioch, Lucas Schmeing (Westphalian University) | **An Open-Source Substrate for LLM Agents In Engineering Simulation**<br>Shruti Badhwar (Independent) | 12:10 |
| Lunch Break | | | 12:30 |
| **12A AIML - ELECTRO/BATTERY** | **12B AIML - CFD** | **12C AIML - OPTIMIZATION** | |
| **Machine Learning-Based Surrogate Model for Contact Force Prediction in Aerospace Relay**<br>Govindaraju MD (TE Connectivity) | **Exploring the Unseen: Expanding the Boundaries of Design Space Exploration with Generative Modeling**<br>Danilo Di Stefano, Alessandro Viola, Haysam Telib (Esteco) | **AI Enabled Transformation in Virtual Vehicle Development Workflows**<br>Attila Budavari (Bentley Motors) | 13:30 |
| **Real World Battery Aging Prediction using Simulation Approach & Application of ML on VTM**<br>Jonas Verriere (Gamma Technologies) | **AI-Driven Engineering Intelligence for Physics-Based Decision Support in CAE Workflows**<br>Florian Dirisamer, Simon Mayer dAIve); Andreas Schuster (German Aerospace Center (DLR)); Katja Hertha-Dunkel (Physikalisch-Technische Bundesanstalt (PTB)) | **AI-Driven Sub Modeling and Agent-Based Optimization in the Vehicle Development Process**<br>Sebastian Fink (GNS Systems); Michael Liehr (GNS) | 13:50 |
| **Machine Learning in 1D Thermal Simulations of Vehicle HVAC Systems**<br>Shourya Shukla, Fabrice Chardel, Jan Grossmann, Daniel Strang (Stellantis) | **Benchmarking Data-Driven Surrogate Models for Transient CFD Digital Twin**<br>Raphael Zheng Wen Tan, Fayiz Rahman (NING Research) | **An AI Agent for Engineering Decision Support: Bringing Simulation Knowledge to Every Design Decision**<br>Marco Panzeri, Christine Schwarz, Ceyhun Sahin, Borna Ghannadi, Rasoul Sadeghian (Noesis Solutions) | 14:10 |
| **A Critical Benchmark of Physics-Informed Neural Networks for 2D Magnetoquasistatic Simulation**<br>Lucas Schmeing, Fabian Pioch (Westfälische Hochschule) | **AI-Augmented Morphological Optimi zation of Monocopter Designs for Improved Aerodynamic Efficiency**<br>Chian Yeen (Singapore University of Technology and Design) | **Physics-Informed Predictive and Generative AI for Engineering Intelligence, CAE Automation, and Optimization**<br>Hendrik Schafstall (Detroit Engineered Products) | 14:30 |
| Break | | | 14:50 |
| **13A AIML - OPTIMIZATION** | **13B AIML - VIS / PREPOST / INFRA** | **13C AIML SHORT TRAINING** | |
| **Predicting the Impact of CAD Geometry Changes on Crash Simulation KPIs for AI-Driven Virtual Product Development**<br>Gaurav Devdikar, Thorsten Pohl, Daniel, Strang (Stellantis-Opel); Benjamin Schleich (Technical University Darmstadt) | **Concurrent Data Compression and Reconstruction using Neural Networks for Virtual Reality Visualization**<br>Abhishek Dhiman, Michael Oevermann (Technical University Cottbus) | **Simulation AI:**<br>**What Already Works and How to Assess It for Your Application**<br>Tutor:<br>Max Kassera (yasAI / NAFEMS) | 15:30<br>15:50 |
| **AI-Assisted Optimization of Manufacturing Processes**<br>Koutaiba Kassem-Manthey, Kai Diethelm (GNS); Ahmad Tarraf (TU Darmstadt); Semih Burak (RWTH Aachen University) | **Evaluating Agentic AI for Geometry Cleanup and Mesh Generation in Computer-Aided Engineering**<br>Rui Aguiar, Noah Weber (Cosmon) | | |
| **Training AI Models on Topology-Optimised Data for Uncertainty Reduction in Structural Prediction: A Methodology Study**<br>Sebastian Stahn (Ansys Part of Synopsys; Martin Husek (Synopsys) | **From Compute Governance to Sovereign Cloud? Pathways to Resilient Engineering Infrastructures**<br>Erik Stolle (GNS Systems) | | 16:10 |
| End of AIML Conference | | | 16:30 |

Agenda subject to change.


## Registration prices

You have three registration options:

**SPDM Conference only** here
Members: 860 Euro or 4 seminar credits
non-members 1.100 Euro

**AIML Conference only** here
Membes: 860 Euro or 4 seminar credits
Non-members: 1.100 Euro

**Both, SPDM + AI/ML Conference (save 25%)** here
Members: 1.290 Euro or 6 seminar credits
Non-members: 1.650 Euro

Each plus 19% German VAT

Conference fees include attendance, lunches, coffee breaks, a get-together and conference proceedings. Accommodation is not included.

If your company is a member but does not have sufficient seminar credits available, you can purchase seminar credits for 215 Euro per seminar credit.

## Sponsorship opportunities

There are several outstanding opportunities available for your company to sponsor or exhibit at the conference, giving you maximum exposure to a highly targeted audience of delegates, who are all directly involved in the topic. Please have a look at the brochure here

## Conference language

English

## Venue

Science Congress Center
Walther-von-Dyck-Straße 10
85748 Garching bei München
Germany
Website: Science Congress Center Munich

We look forward to welcoming you at the Science Congress Center Munich. Thanks to its excellent location between Munich Airport and Munich Central Station, you can easily reach the congress center by train, car, plane or bus/taxi. The underground station U6 - Garching Forschungszentrum is located directly in front of the entrance, parking is available for a fee in the nearby parking garage.

## Accommodation

Connected and close-by hotels:
Courtyard by Marriott München Garching
Walther-von-Dyck-Straße 12
85748 Garching bei München
info@courtyard-garching.de
+49 (0) 89 61425 0

Stellaris Apartment Hotel Garching
Walther-von-Dyck-Straße 16
85748 Garching bei München
info@stellaris-apartment.de
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## Conference webistes

SPDM: www.nafems.org/spdm26
AI/ML: www.nafems.org/aiml26

# NAFEMS WORLD CONGRESS 2027

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Abstract submission deadline likely mid November 2026

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AI & ML IN CAE APPLICATIONS
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