

# MODPROD & OpenModelica 2021

Submitted by Anonymous on Thu, 01/14/2021 - 11:13am

[Feb 02, 2021 7:00 am - Feb 04, 2021 6:00 pm EST](#)

## 13th Annual OpenModelica Workshop

2 februari, 2021

- Applications of OpenModelica
- Modelica Libraries with OpenModelica
- Industrial Use Cases
- OpenModelica in Teaching
- OpenModelica tool developments
- Solver issues in OpenModelica
- Meta modeling and hardware/software modeling
- Code generation in OpenModelica
- Parallel compilation and execution
- Model-based optimization
- FMI-based simulation, co-simulation and OMSimulator
- Visualization and 3D animation

## 15th MODPROD Workshop

3 februari, 2021 - 4 februari, 2021

- Digital design and tools for circular products, production and business models
- Sustainable systems engineering
- Continuous integration and delivery
- Cyber-physical and multi-domain system modeling and development
- Software and hardware modeling for cyber-physical systems
- Methods and standards for co-modeling and co-simulation
- High-performance, real-time, and hardware-in-the-loop simulation
- Design optimization and analysis
- Verification and validation
- Modeling languages and simulation tools
- Modularized systems development
- Industry 4.0, Internet of things and embedded systems modeling
- Lessons learned: Experiences of application of model-based product development

Keynotes for MODPROD Workshop 2021 (preliminary):

- Lisen Schultz, Deputy Director of Transdisciplinarity at the Stockholm Resilience

Centre. "A resilience perspective on sustainability transformations"

- Andreas Junghanns, Senior R&D Engineer at Synopsys. "FMI - Current Challenges, Trends and Developments"
- Richard Romano, Professor at University of Leeds, Chair in Driving Simulation. "Model based design of Automated Vehicles"
- Claes Nord, Senior Visitor Experience Specialist at AB Sandvik Coromant. Title to be announced.

Event Details

**Location:** Online

**URL:** <https://modprodblog.wordpress.com/call-for-participation/>

[Sync this event to your calendar](#)



[2021 Workshop](#)

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