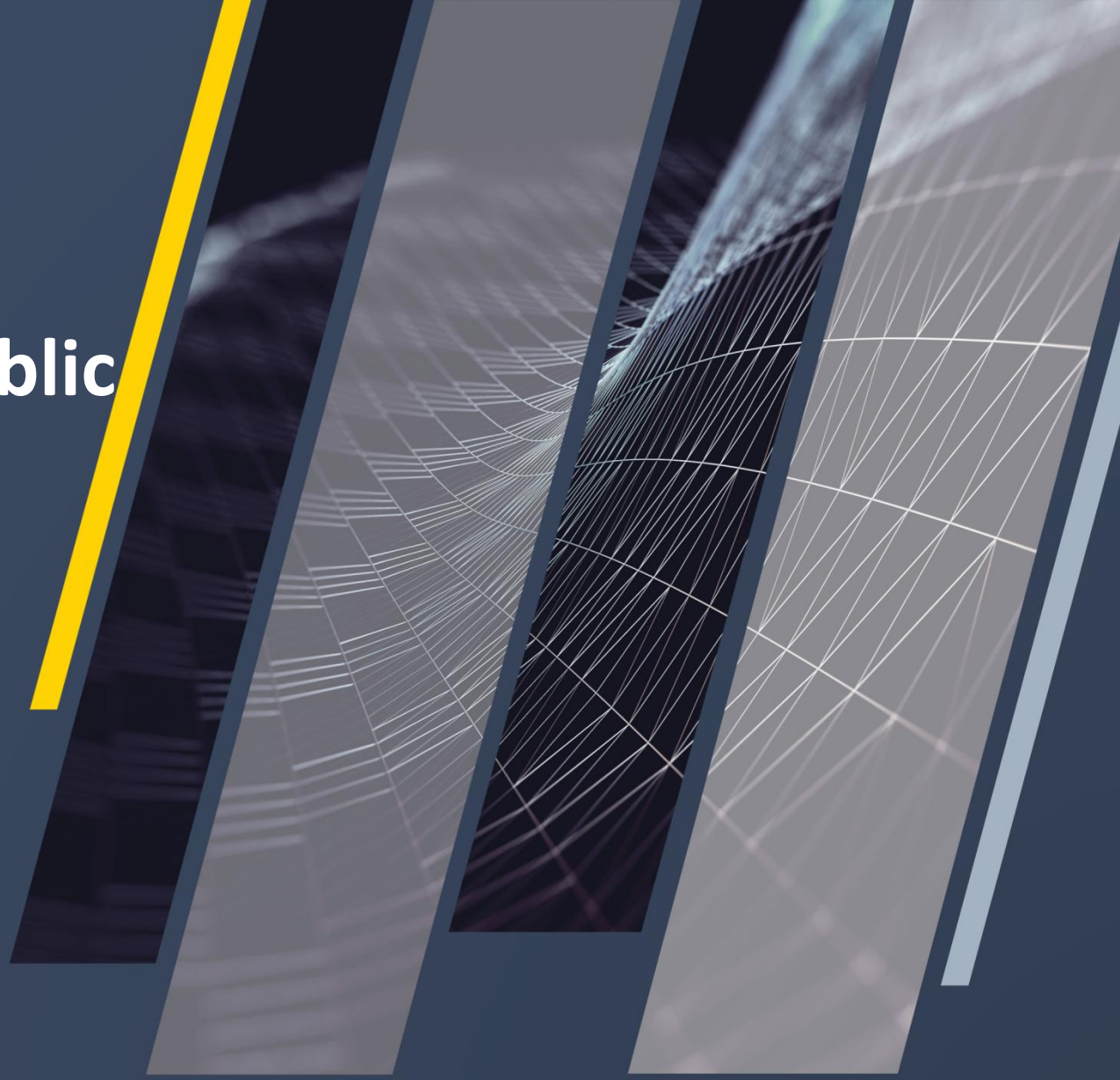
Digital Safety Day - Czech Republic

Addressing complexity, costs and quality in Functional Safety & Security, Safety Critical Software Development, Systems Simulation and Digital Twin

20th June 2019, Praha (Prague)



Topics and abstracts

The safety and security of products is becoming increasingly important as product become more complex. Ensuring that products do what they are supposed to in a safe and secure manner is a complex process. In order to meet these challenging requirements, you must consider three key areas: functional safety and security, safe software, system simulation and testing.

ANSYS offers software solutions that help you to guarantee that you meet these three areas of focus in parallel to be sure that these important aspects of product development are working in unison through systems simulation and validation.

During this seminar, you will learn about Digital Safety and engineering tools from ANSYS :

- Embedded software development with ANSYS SCADE
- Functional Safety Analysis and Cybersecurity Analysis with ANSYS medini analyze
- System Simulation and Digital Twins with ANSYS Twin Builder.

Target group

This seminar is intended for development heads, project managers, functional safety managers, safety engineers, quality managers and want to increase efficiency in design, verification and time to market.

	Topic	Person
8:30 – 9:00	**Welcome & Reception**	
9:00 – 9:30	Overview on ANSYS Channel Partner – TechSoft Enginnering Overview on the ANSYS platform for Digital Safety • From Model Based System engineering to Code Development • Model Based Safety • System Verification and Digital Twin	ANSYS Channel Partner ANSYS medini Expert
9:30 – 10:00	Model Based Functional Safety Analyzis for consistent and reilable results • Initial Architecture, HAZOP , Function Model • HARA, Safety goals and Requirements management • Reliability Analysis (according to IEC6230, SN29500, Mil 217+, FIDES, etc.) FMEDA, FTA, FMEA	ANSYS medini expert
10:00 – 10:30	**Bio Break**	
10:30 – 11:15	Identifying and preparing for Cyber Security Threats with medini analyze • Cyber Security Thread Analysis – Thread Identification, Attack Trees and TARA • Cyber Security Concept	ANSYS medini expert
11:15 – 12:00	Model Based Approach for Safety Critical Software • Modeling the System Requirements • Modeling the Software Requirements • From Model to Code (C, ADA)	ANSYS SCADE expert

12:00 – 13:00	**Lunch**	
13:00 – 13:45	Model Based Approach for Safety Critical HMI • Designing Graphical Interface • Model and Interface Connection	ANSYS SCADE expert
13:45 – 14:30	Rapid Prototyping and Verification / Autonomous Vehicle (AV)? • Functional verification at model level • Model Coverage	ANSYS SCADE expert
14:30 – 15:00	**Bio Break**	
15:00 – 15:45	From Systems to Digital Twin • Predicitve maintenance • Brilliant Asset	ANSYS Twin Builder expert
15:45 – 16:15	Open Discussion about the solutions	All experts
16:15 – 16:30	**Closing Remarks**	

Register Today

Reasons why:

- Learn how users became 50% more efficient in functional safety and software development
- Get insights into the tool platforms, which enable you to tackle complexity of today's and tomorrow's development
- Learn more about the power of model based engineering and how it can be enriched with multi-physics simulation
- Learn how you can speed up your
  - Functional Safety Process
  - Safety Critical Software Process
  - Development Process
  - Predictive Maintenance & System Simulation
- Meet the experts for model based engineering, for Safety Critical Software Development, Functional Safety & Digital Twins
- Discuss with other Managers, engineers & technology experts from of your region, industries and network

REGISTER HERE

Venue:
Praha,Czech Republic

Address :

Hala 24,

Bubenské nábřeží 306/13, Praha 7