



# OPEN DISCUSSION

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2022

**NexTech & TrendNews**

**Cyber-systems Protection by  
Design**



## **Cyber-related aspects: protection by-design**

- Design complexity (AI, Cloud, ...) (hardware, software, systems)
- Black Swan: Sudden, unexpected situation, ransomware (Keynote: Anne Coull)
- Zero-day: Vulnerabilities for which no mitigation exists (Keynote: Steve Chan)
- Autonomous systems
- Testing and validating self-adaptable systems
- Trust and explainability



# INVITEES

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- **Facilitator**

Prof. Dr. Petre Dini, IARIA, USA/EU



- **Invitees**

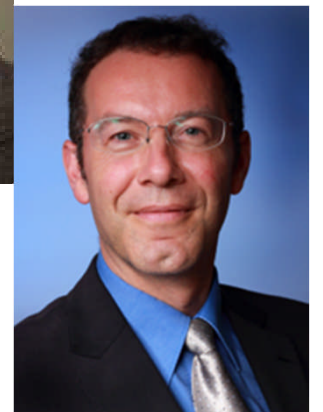
Dr. CTO, Daniel Kaestner, AbsInt GmbH, Germany



Prof. Dr. Nader Mir, San Jose State University, USA



Prof. Dr. Michael Massoth, Hochschule Darmstadt (h\_da), Germany





# INQUIRIES?

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- Are the already-known requirements simply neglected in early system design phases?
- What is the most suitable approach for tracking the consistency of features for cyber-systems protection?
- Are there insurmountable challenges (time, verification, budget) for a proper cyber-protection development?
- Is the deployment more critical than the preceding development phases?
- How costly is a more robust and safe development process?
- Is the patching process a danger (apriori adopted) for the cyber-protection by design?



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