



# SAFETY & SECURITY FOR CYBER PHYSICAL SYSTEMS

In this diverse world of countless emerging new cyber threats, 100% cyber security is an impossibility. But we can help businesses and administrations alike to enhance the resilience of their critical networks and IT infrastructures, and to protect their assets to the highest extent possible.

## CYBER SECURITY INTELLIGENCE SOLUTIONS

At AIT we are creating leading-edge technologies and solutions based on machine learning concepts appropriate for the future cyber defence ecosystem, to tackle the cyber threats arising from the emergence of comprehensive ICT networks with their increasing interconnectedness and unclear attack surfaces. We are developing privacy-enhancing technologies which are used to build trustworthy identity management systems and privacy-friendly smart applications for cloud computing and the Internet of Things (IoT).

Furthermore, we are working on several techniques in the context of Safety and Security for complex, networked (cyber-physical) systems, e.g. a Safe and Secure Gateway for allowing non-secure production machines to be included in a modern Industry 4.0 context. Moreover we offer the development of "security by design" architectures and are actively involved in standardisation activities in this context. Further information: <https://www.ait.ac.at/cs/>, <https://www.ait.ac.at/vv/>.



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**AIT AUSTRIAN INSTITUTE OF  
TECHNOLOGY GMBH**

Thomas Lorünser  
Tel +43(0) 50550 4154  
Giefinggasse 4, 1210 Vienna  
thomas.loruenser@ait.ac.at  
[www.ait.ac.at](http://www.ait.ac.at)