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Building Trustworthy Intelligent Systems

Dr Joanna Isabelle Olszewska

Nowadays, the development of smart cities and smart manufacturing boosts the development of innovative IT technologies based on Artificial Intelligence (AI), such as intelligent agents (IA), which themselves use new algorithms, complex software, or advanced embedded systems.

However, due to their expanding number and range of applications as well as their growing autonomy, there are concerns of citizens about their data privacy and security, and on the other hand, about the behaviour of such surrounding intelligent agents. Therefore, there is an increased expectation for cutting-edge intelligent technologies to be efficient as well as ethical.

Hence, this seminar covers both societal challenges and technical solutions, including emerging standards, to build trustworthy intelligent systems to be deployed in real-time and in real-world, constrained and unconstrained environments, in the context of smart cities and smart manufacturing.