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Developing Intelligent Vision Softwares

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Intelligent Vision Softwares are present everywhere in our Society - from street surveillance cameras to airport e-gates, from m-health services to Facebook apps, from smart manufacturing to smart agriculture. Behind the scenes, these new softwares, including cybersecurity systems, social media data, or autonomous agents, require Artificial Intelligence (AI) methods in order to process vast amounts of complex data, and especially visual data such as images, videos, etc. in a computationally efficient, ethical, and dependable way. This talk aims to explain the 'why' and 'how' to produce quality, new-generation intelligent vision softwares to be trustworthy deployed in real-time and in real-world, constrained and unconstrained environments.