On V&V of Intelligent Vision Systems

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Abstract

Nowadays, softwares and systems are increasingly relying on Artificial Intelligence (AI). In particular, Intelligent Vision Systems (IVS) are using machine learning and computer vision techniques to process vast amounts of visual data such as images, videos for applications ranging from social media apps to m-health services, from street surveillance cameras to airport e-gates, from drones to companion robots.

Thus, IVS require effective and ethical data processing along with efficient signal processing and real-time hardware/software integration as well as user/agent experience (UX/AX) and (cyber)security features.

Consequently, IVS softwares necessitate verification and validation to check if they conform to their specifications and if they do what the user really needs/wants, respectively.

Hence, in this talk, we present a new methodology called D7-R4 which allows developers to produce quality, new-generation intelligent systems to be deployed safely in real-time and in real-world environments.
Some References


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Thank You

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