

On V&V of Intelligent Vision Systems

Dr Joanna Isabelle Olszewska

**School of Computing and Engineering
University of West Scotland, UK**

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 efficient and ethical data processing along with effective user/agent experience (UX/AX) and transparent architecture.
- Consequently, IVS softwares necessitate verification and validation to check if they conform to their specifications and if they do what the user/agent really wants/needs, respectively.
- Hence, in this talk, we present a new methodology called D7-R4 which allows developers and testers to produce quality, new-generation intelligent systems to be deployed in real-time and in real-world environments.

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Thank You

Contact Details

Dr Joanna Isabelle Olszewska
joanna.olszewska@ieee.org

School of Computing and Engineering
University of West of Scotland (UWS)
United Kingdom