



Contribution ID : 17

Type : **not specified**

xAI – Is This the Future of AI-Software Testing?

Friday, 8 October 2021 11:00 (60)

AI is leaving its marks everywhere in the industry. One important question is how to integrate AI-based software in security-critical environments such as autonomous driving and modern medicine applications. The AI must perform robustly and safely. To ensure this, software that contains AI components must be tested thoroughly, which is not a trivial task: On the one hand, classic software testing methods cannot be applied due to the “black-box” nature of most AI-algorithms. On the other hand, in many cases regulations concerning AI-testing have yet to be defined. One cornerstone of AI-testing could be explainable AI (xAI). It helps software developers to understand the decision-making process of AI-algorithms which is fundamental for a trustworthy AI. In this talk, we give a summary of visual xAI methods. We then show how we implemented these methods in a specific use case.

www.vector.com

Presenter(s) : CHUNG, Khanlian (Vector)

Session Classification : Keynotes