

Tue
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ARTIFICIAL INTELLIGENCE AND DIGITAL FORENSICS: A MUCH-NEEDED ALLIANCE



Speaker

Anderson Rocha

Affiliation

University of Campinas

When

June 21, 16h15

Where

C6.3.27

Abstract

In this talk, we will discuss a panoramic view of digital forensics in the last 10 years and how it needed to evolve from basic computer vision and simple natural language processing techniques to powerful AI-driven methods to deal with the signs of the new age. We will discuss tampering detection and its evolution, fact-checking, and authorship analysis as well as recent advances in self-supervised learning to deal with large-scale search in some forensics problems.

Short Bio

Anderson Rocha is a full professor of Artificial Intelligence and Digital Forensics at the Institute of Computing, University of Campinas (Unicamp), Brazil. He is the Director of the Artificial Intelligence Lab., Recod.ai, and also the Director of the Institute for the 2019-2023 term. He has actively worked as an associate editor of important international journals such as the IEEE Transactions on Information Forensics and Security (TIFS), Elsevier Journal of Visual Communication and Image Representation (JVCI), and IEEE Signal Processing Letters (SPL), and the IEEE Security & Privacy Magazine.