

**The Seminars on “Information Technology Outlook” – PhD Programme in Computer Science and Mathematics**

**SEMINAR ANNOUNCEMENT**

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University of Bari "Aldo Moro"

June 22, 2020 –16:00

Microsoft Teams

(Team code: u0uvawq)

**Explainable Artificial Intelligence**

The European Commission recognized AI as one of the most strategic technologies of our century. But, as all technological revolutions, AI comes with a price and people must decide whether they want to be assisted by AI and under which conditions. An invoked feature for AI systems that are taking critical decisions is *explainability*, i.e., people should understand why an automated decision has been made. Explainable Artificial Intelligence (XAI) is an endeavor to evolve AI methodologies and technologies by focusing on the development of agents and systems capable of both generating decisions and explicitly explaining such decisions for users' sake. The talk will give an outlook on XAI, starting from the motivating principles and proceeding with an account of the main concepts. The goal is to understand what is meant by explainability and why it is so important in the realm of AI.

*Corrado Mencar is Associate Professor at the Department of Computer Science, University of Bari "Aldo Moro", Italy. His main research interests include Explainable Artificial Intelligence, Granular Computing, Uncertainty Modeling, Fuzzy Sets and Systems. He is vice-chair of the Task Force on Explainable Fuzzy Systems, promoted by the IEEE Computational Intelligence Society.*