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Abstract



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Artificial Intelligence as an Enabler in the Accessing of Information: Opportunities and Pitfalls

Artificial Intelligence has made important advances in recent years that significantly strengthen its potential role as an enabler of accessing relevant and useful information. The talk will review the developments that have made this possible and give examples of the types of advantages that are now possible including the aspects of semantic labelling and multilingualism. We will also discuss some of the pitfalls that have already become apparent so as to learn from these difficulties and try to ensure that negative consequences of the use of the technology are whenever possible avoided.

Brief Bio :

John Shawe-Taylor is professor of Computational Statistics and Machine Learning at University College London. He has helped to drive a fundamental rebirth in the field of machine learning, with applications in novel domains including computer vision, document classification, and applications in biology and medicine focussed on brain scan, immunity and proteome analysis. He has published over 250 papers and two books that have together attracted over 80000 citations.

He has also been instrumental in assembling a series of influential European Networks of Excellence. The scientific coordination of these projects has influenced a generation of researchers and promoted the widespread uptake of machine learning in both science and industry that we are currently witnessing.

He was appointed UNESCO Chair of Artificial Intelligence in November 2018 and is the leading trustee of the UK Charity, Knowledge 4 All Foundation, promoting open education and helping to establish a network of AI researchers and practitioners in sub-Saharan Africa. He is the Director of the International Research Center on Artificial Intelligence established under the Auspices of UNESCO in Ljubljana, Slovenia.