

Title: AI for supporting mental health diagnostics

Abstract:

In this talk we cover work on using AI as a clinical decision support tool for mental health conditions, with a focus on adult ADHD and suicide risk assessment. These works are done collaboratively with the UK's NHS and have resulted in developing new technological solutions. In addition, we also review the development and potential use of domain-specific ontologies

Short bio:

Grigoris Antoniou is Research Professor of AI at the University of Huddersfield, UK, and Visiting Professor at the L3S Research Centre in Germany. His research interests lie in semantic technologies, particularly knowledge representation and reasoning and semantics for big data, and its application to e-health and smart cities / IoT. He has published over 200 technical papers in scientific journals and conferences. He is author of three books with international publishers (MIT Press, Addison-Wesley); his book "A Semantic Web Primer" is internationally the standard textbook in the area, and has been translated to Japanese, Chinese, Korean, Spanish and Greek. His research has attracted over 12.000 citations. He is member of editorial boards of journals including Artificial Intelligence Journal, and has organised a number of conferences and workshops (including being PC Co-Chair of ESWC 2010 and General Chair of ESWC 2011). He is Fellow of IEEE, Fellow of the European Association for Artificial Intelligence and Fellow of the Asia-Pacific AI Association.