香港浸會大學
HONG KONG BAPTIST UNIVERSITY

DEPARTMENT OF
COMPUTER SCIENCE
計算機科學系

SEMINAR
2023 SERIES

Department of Computer Science

Mr. Jeroen Ooge

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📅 **Date: 21 March 2023 (Tuesday)**
🕐 **Time: 3:00pm – 4:00pm**
📍 **Venue: WLB211, Shaw Campus**
📋 **Registration: https://bit.ly/cs-ereg**

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Explaining AI with Tailored Interactive Visualisations

💬 ABSTRACT

Automated systems increasingly support decision-making with AI. While such automation often improves working efficiency, it also raises questions about the origin and validity of model outcomes. Explaining model outcomes is not trivial: AI models are black boxes to people unfamiliar with AI. A promising solution to realise explainable AI (XAI) is visualisation. Through interactive visualisations, people can better understand models' behaviour and reasoning process, which helps them contextualise model outcomes. Important here is that different people and different contexts require different solutions. Thus, human-centred XAI methods are essential. In this talk, Jeroen will cover his work on XAI in healthcare, agriculture, and education. He will demonstrate some of the many visual interfaces he designed, and also present the user studies he conducted to study their impact on people's behaviours, for example, trust in recommendations and model understanding.

📝 BIOGRAPHY

Jeroen Ooge holds two Masters of Science (fundamental mathematics and applied informatics) and is now a PhD researcher in computer science at KU Leuven in Belgium. His research focuses on explainable AI. In particular, Jeroen investigates how visualisations can help people to better understand AI models, calibrate their trust in these models, and steer model outcomes with domain expertise. He has studied and designed numerous interactive visualisations tailored to a specific target audience and application context. In his talk, Jeroen will cover some take-aways about his work so far in healthcare, agriculture, and education.