KRISTIAAN PELCKMANS

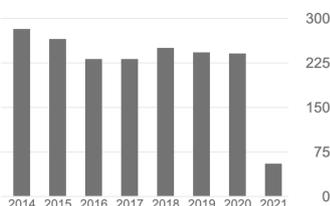kp@it.uu.se
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Personal

Kristiaan Pelckmans is born in Turnhout (Belgium, 1978), and is now partly living in Göteborg (Sweden), partly in Uppsala (Sweden). Together with his partner and newborn (Floris Nils Otto).

Experience

D*ocent* at Uppsala University, with specialisation in applied mathematics, machine learning and automatic control. Since 2018, he is CEO of a young company FaDO regarding fraud detection in FinTech (https://fado.io), and CTO of Percy Roc (https://www.percyroc.se/) regarding the use of microwave power for manufacturing advanced materials.

Education

A. Catholic University Leuven — Master in Computer Science (1996-2000).
B. Catholic University Leuven - Ph.D. in Applied Mathematics, at the Electrical Engineering department, the Ph.D. dissertation has title 'primal-dual kernel machines' (2000-2005) and was awarded 31 Mai 2005.
C. Postdoctoral researcher in a.o. Darmstadt (DE) and London (UK) UCL (2005-2009).
D. Senior researcher in Uppsala University, at the department of Information Technology (2009-2014).
E. Associate professor in Uppsala University, at the department of Information Technology.

He is founding partner of the AI-innovation centre (ai.se) in Göteborg, and has developed a strong interest in astronomical and ethical discussions around AI.

Published >30 journal publications (with IFs up to 13), >50 conference proceedings, (for details, see https://scholar.google.com/citations?user=8WJkJRkAAAAJ&hl=en&oi=ao). He has extensive experience in publishing, acting as an external reviewer of scientific applications, organising international workshops and supervising Ph.D. students (>5) and postdoctoral researchers (>5).

He has organised already since 2012 graduate courses in a.o. the fundamentals of machine learning, reinforcement learning, system identification and cyber security. Since 2010, he has also been running an undergraduate course on System Identification. His research is generously covered by 3 major funding organisations (ERC, Wallenberg and VR). He is fluent both in Dutch, English and partly in Swedish. Most of involved coding is done in Matlab and Python, with excursions to R and C++ a.o. when needed.