INVITATION TO THE LECTURE SERIES ARTIFICIAL INTELLIGENCE

Time: **Tuesday 21 January 2020, 14:00 h**
Place: **Lecture Hall 1 (HS 1)**

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Addressing the AI Talent Bottleneck by Automating Artificial Intelligence

Abstract: For the foreseeable future, AI expertise will be a limiting factor in the broad deployment of AI systems, and - unless managed very carefully - this will lead to uneven access and increasing inequality. It is also likely to lead to the wide-spread use of low-quality AI systems, developed without the proper expertise. This AI talent bottleneck and its consequences will be particularly felt in non-profit organisations and public administration, which usually cannot compete with industry when it comes to attracting and retaining AI experts.
In this talk, I will outline an approach I call AutoAI, which addresses this problem by automating key aspects of the development, deployment and responsible operation of AI systems. Building on recent advances in automated algorithm design, machine learning and optimisation, AutoAI also has the potential to help skilled experts to dramatically improve the performance and robustness of the AI algorithms and systems they design, deploy and maintain.

About the Speaker: Holger H. Hoos is Professor of Machine Learning at Universiteit Leiden (the Netherlands) and Adjunct Professor of Computer Science at the University of British Columbia (Canada). He is a Fellow of the Association for the Advancement of Artificial Intelligence, past president of the Canadian Association for Artificial Intelligence and one of initiators of CLAIRE, an initiative by the European AI community that seeks to strengthen European excellence in AI research and innovation (claire-ai.org). Holger is known for his work on the automated design of high-performance algorithms and one of the originators of the concept of automated machine learning (AutoML).

Hosts: Johannes Kofler   Armin Biere
        Institute for Machine Learning and LIT AI Lab   Institute for Formal Models and Verification

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