



Professor Ruksana Osman, Senior Deputy
Vice-Chancellor: Academic, cordially invites
you to the

Inaugural Lecture of Professor Benjamin Rosman

School of Computer Science and Applied
Mathematics, Faculty of Science



Assembling knowledge: a tale of intelligent machines and research communities

Artificial intelligence (AI) is suddenly everywhere, and will become increasingly integrated into society in the coming years. As this happens, these machines will shift from being conversational partners to acting in the world, requiring them to learn to achieve complex goals - a particularly difficult challenge. As humans, we are good at assembling our previously acquired knowledge to tackle different problems. In this talk, I will discuss how reusing and combining different pieces of behavioural knowledge can also enable machines to solve novel problems. It is not enough to build better machine learning frameworks. It is also critical that different communities possess the relevant expertise to adapt AI to their local contexts. I will thus also discuss the recent rise of African machine learning. My dream is that the combination of increasingly capable machines and growing communities will pave the way to a bright future.

Date: Monday, 20 November 2023 | **Time:** 17h00

Venue: Senate Room, 2nd Floor, Solomon Mahlangu House
Braamfontein Campus East, Wits University

Register here for in-person attendance: shorturl.at/ahjqV

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