

AI and Big Data

Virtual series

Thursdays, 15 October to 19 November 2026

Presented by Dr. Steve Engels

15 October 2026: History of AI and Big Data

Discover the fascinating history and various disciplines of AI. Learn the basics of Big Data and how it connects to modern AI. Understand the basic domain of AI and the high-level benefits and risks.

22 October 2026: Robotics

Explore how real-world AI systems perceive the world through voice recognition, language processing and computer vision, including self-driving cars and robotic humanoids.

29 October 2026: Learning

Understand modern approaches to data-driven AI, which learns its understanding and interactions with the world. Learn about techniques such as reinforcement learning, supervised and unsupervised learning, and neural network architecture.

5 November 2026: Large Language Models

Uncover the technology behind AI tools like ChatGPT and Gemini, their applications and their limitations.

12 November 2026: Artificial Creativity

Delve into the world of generative art, music, video and design. Learn the current abilities and limitations of these generative technologies.

19 November 2026: Big Data

Grasp the significance of big data, how it's collected and how patterns are discovered within it. Explore crowdsourcing and the Internet of Things (IoT). Discover practical applications of big data in AI, such as protein structure prediction and user modelling, and discuss issues of data bias, discrimination, safety and privacy.