

Seminar Series (Online Zoom Webinar): Frontiers of Big Data, AI, and Analytics

We are pleased to welcome **Dr Steven Shwartz** on **December 15, 2020, 10:00AM - 11:30AM** (Australian Eastern Daylight Time (GMT+11)).

Discussion Theme: The Impact of AI on Society in the Coming Years



Dr Steven Shwartz

Steve will briefly explain how AI works and why we do not need to worry about evil robots trying to exterminate us. He will then discuss how AI will impact society in many ways in the coming years. He will explain why self-driving cars are unsafe and should not be allowed on our roads. He will also discuss AI-enhanced weapons of war, threats to our privacy, how AI can increase discrimination, and the impact of AI on employment.

Steve started his career as a postdoc in the Artificial Intelligence Laboratory of the Yale University Computer Science Department. He was a founder or co-founder of three companies in the AI area including Esperant which became one of the leading business intelligence tools of the 1990s. He co-founded Device 42 which is one of the fastest-growing software companies in the country. And he has been fortunate enough to participate in two IPOs and multiple M&A exits. He is also an active angel investor and is involved in non-profit work.

Steve is the author of *“Evil Robots, Killer Computers, and Other Myths: The Truth About AI and the Future of Humanity”* to be published February 9, 2021 by Fast Company Press. He also maintains a website, <https://aiperspectives.com>, that contains a free 400-page AI 101 textbook.

About this event series: This event series aims to unleash ideas and insights for harnessing the successful future of business & society. The first part (speaker's talk) focuses on cutting edge ideas and the second part (discussion and Q&A from audience) explores its practical usages/implications in business and society, bridging a gap between new ideas and business & society. Main audience includes business professionals (including C-suites, directors, managers) from small to large organizations, government and regulatory and not-for-profit organizations. It is not necessarily to have a fluency of data. While the idea transfer to business and society is the focus, interested academics and students are also welcome to join this event series.

How to join: To join this event through Zoom, register your attendance from the register link by 14 December 2020 (Zoom link is provided 1 day prior to the event).

Register link: [click here](#)

Co-organizers

Tomohiro Ando (Melbourne Business School, University of Melbourne)
Robert Kohn (UNSW Business School, University of New South Wales)
Valentin Zelenyuk (School of Economics, University of Queensland)

Recent events:

Discussion theme: Can AI replace high-skilled workers?

Speaker: Professor Matthew Harding (University of California, Irvine)

Professor Harding discussed how Artificial Intelligence (AI) can learn and replicate subjective judgements of high-skilled workers, a possible enabler for improving business efficiency, as well as his perspectives on how big data, and AI can create value in business.

Discussion theme: Big Data and Context-based Marketing

Speaker: Professor Yasutora Watanabe (University of Tokyo)

Professor Watanabe discussed how big data can be an enabler for understanding customer behavior, particularly when contextual factors play an important role, as well as his perspectives on how analytics, big data, and AI can create value in business.

Discussion theme: Big Data and Analytics for Online Platform Market

Speaker: Professor Kosuke Uetake (Yale School of Management, Yale University)

Professor Uetake discussed how big data and analytics can help us to manage multi-sided online platform markets. Together with a high-level summary of key aspects in managing platform, practical recommendations and discussion were provided. Through big data analysis, Kosuke also shared new empirical findings on online platform management.

Discussion theme: Big Data, Machine Learning and AI for Preserving Integrity in Online Social Networks

Speaker: Professor Dr Alon Halevy (Director Facebook AI & Professor, University of Washington)

Professor Halevy discussed how big data, AI and analytics can help us to Preserving Integrity in Online Social Networks. Through a survey came from the perspective of having to combat a broad spectrum of integrity violations at Facebook, Alon discussed a potential and current challenges of machine learning, AI and state-of-art tools.

Upcoming event:

Date/Time: December 10 2020, 12:00 - 13:30 (Australian Eastern Daylight Time (GMT+11))

Discussion theme: From COVID-19 Testing to Election Prediction: How Small Are Our Big Data?

Speaker: Professor Xiao-Li Meng (Harvard University)

The term “Big Data” emphasizes data quantity, not quality. What will be the effective sample size when we take into account the deterioration of data quality because of, for example, the selection bias in COVID-19 testing or the non-response bias in 2016 US Election polling results? This talk provides an answer to such questions, based on the concept of data defect index (ddi) developed in Meng (2018) [Statistical paradises and paradoxes in big data \(I\): Law of large populations, bigdata paradox, and the 2016 US presidential election](#). Annals of Applied Statistics, 685-726. It will also discuss briefly the application of ddi for 2020 US Election, as reported in Isakov and Kuriwaki (2020) [Towards Principled Unskewing: Viewing 2020 Election Polls Through a Corrective Lens from 2016](#). Harvard Data Science Review.

Register link: [Click here](#)