The ethics of data science conference

Addressing the future use and misuse of our data

Hosted by the University of Sydney from 27–29 March 2019, this forum will bring together world-renowned experts to address the current crisis in confidence around algorithms.

Invited speakers
Nicolas Hohn (QuantumBlack)
Professor Simon Jackman (USYD)
Associate Professor Seth Lazar (ANU)
Associate Professor Julia Powles
Professor Toby Walsh (UNSW)

Date and location
27–29 March 2019
F23 Administration Building
The University of Sydney

Contact
events.rsvp@sydney.edu.au

sydney.edu.au/data-science
Draft program

This program is a draft and it is current at the time of publishing. Further changes and updates will follow.

Wednesday 27 March 2019
4.30pm Registration (30 minutes)
5.05pm: Acknowledgment of Country, Bianca Williams, the University of Sydney
5.10pm: Opening | Opening remarks by Professor Sally Cripps, Director CTDS, The University of Sydney
5.20pm: Keynote speaker (TBC)
6pm: Welcome reception (1 hour)

Thursday 28 March 2019
8.30am: Registrations and arrival tea and coffee (30 minutes)
Chair: Dr Roman Marchant, The University of Sydney
9am: Keynote speaker: TBC (40 minutes)
9.40am: Keynote: 10 ways to get smarter about responsible AI, Nicolas Hohn, QuantumBlack Australia
This talk will discuss practical steps that organisations can take to address ethical concerns when developing or using machine learning techniques.
10.20am: Coffee Break (30 minutes)
10.50am: Paper presentations session 1 (1 hour and 45 minutes)
12.05pm: Lunch (1 hour)
Chair: Professor Sally Cripps, the University of Sydney
1.05pm: Keynote: Studying humans in the age of machine learning: practical and ethical challenges. Professor Simon Jackman, the University of Sydney (40 minutes)
This talk will uncover the ethical issues that arise when large data sets and machine learning techniques are deployed in commercial and public sector settings.
1.45pm: Keynote: What we don’t talk about, when we talk about ethical AI Associate Professor Julia Powles, University of Western Australia
3.05pm: Coffee Break (30 minutes)
3.35pm: Paper presentations session 3 (1.5 hour)
5.05pm: End of day 1

Friday 29 March 2019
Chair: Professor Gerard Goggin, The University of Sydney
9am: Keynote Speaker: TBC (40 minutes)
9.40am: Keynote Speaker: TBC (40 minutes)
10.20am: Coffee Break (30 minutes)
10.50am: Paper presentations session 4 (1.5 hour)
12.20pm: Lunch (1 hour)
Chair: Roman Marchant, Data Scientist, The University of Sydney
1.20pm: Keynote: AI and Ethics: Why all the fuss? Professor Toby Walsh, University of New South Wales (40 minutes)
Covering topics from autonomous vehicles to killer robots, Professor Walsh will discuss the new issues AI is bringing to the table, and the old issues that are resurfacing as a result.
2pm: Coffee break (30 minutes)
2.30pm: Workshops (2 hours)
- Workshop 1: Law and justice
- Workshop 2: Banking, finance, insurance and consumers
- Workshop 3: Human Rights (moderated by Edward Santow, Australian Human Rights Commissioner)
- Workshop 4: Health, genomics and family care
- Workshop 5: Autonomous systems, robotics and computer vision (Moderated by Professor Ian Manchester, Centre for Robotics and Intelligent Systems)
4.30pm: Networking drinks (30 minutes)
5pm: End of symposium
**Keynote speakers**

**Nicolas Hohn**  
Chief Data Scientist at QuantumBlack Australia

Nicolas is an Associate Partner at McKinsey, and the Chief Data Scientist for QuantumBlack Australia. He advises organisations on starting or progressing along their analytics journeys. He provides thought leadership and expertise across data science and key enablers such as talent and technology. Prior to joining Digital McKinsey in 2016, Nicolas was Head of Data Science for Dun & Bradstreet Australia.

**Professor Simon Jackman**  
CEO of the United States Studies Centre

Simon Jackman’s teaching and research centres on public opinion, election campaigns, political participation, and electoral systems. He is known for his work on poll averaging — combining polls over the course of an election campaign to produce better predictions of election outcomes.

**Associate Professor Seth Lazar**  
Philosophy Head of School, ANU

Seth is an Associate Professor at Australian National University and head of the school of philosophy. He is also the lead Chief Investigator on the ARC grant ‘Ethics and Risk’ and project lead of the Humanising Machine Intelligence Grand Challenge Program. He has written extensively on topics in political philosophy and applied ethics.

**Associate Professor Julia Powles**  
Associate Professor of Technology Law & Policy, UWA

Julia joined UWA in January 2019, after more than a decade in Europe and the US. Her research focuses on civic and rights-based responses to emerging technologies. She is an expert in privacy, intellectual property, internet governance, and the law and politics of data, automation, and artificial intelligence.

**Professor Toby Walsh**  
Scientia Professor of artificial intelligence, UNSW

Toby Walsh is a leading researcher in the field of artificial intelligence. He leads the Algorithmic Decision Theory group at Data61, Australia’s Centre of Excellence for ICT Research, and is guest professor at the Technical University of Berlin. He has been elected a fellow of the Australian Academy of Science, and has won the Humboldt research award as well as the NSW Premier’s Prize for Excellence in Engineering and ICT.
Workshop facilitators

Ed Santow
Human Rights Commissioner

Edward Santow has been Human Rights Commissioner at the Australian Human Rights Commission since August 2016. He is currently leading the Commission's work on detention and implementing the Optional Protocol to the Convention Against Torture (OPCAT); refugees and migration; human rights issues affecting LGBTI people; counter-terrorism and national security; technology and human rights; freedom of expression; and freedom of religion.