

Ethics of Data Science Conference

25 – 27 March 2020

Draft program



Hosted by the University of Sydney, the international conference on the Ethics of Data Science brings together world-renowned experts from multiple disciplines to discuss the use and misuse of our data.

The conference is hosted by the Centre for Translational Data Science (CTDS) at the University of Sydney with partners from Gradient Institute, the Humanising Machine Intelligence group from Australian National University and QuantumBlack.

Our goal is to design ethical evidence based decision-making frameworks. This can only be achieved by understanding the morality, law and politics of data and artificial intelligence, drawing on world-class research in data science, law, philosophy and beyond. This conference is a unique opportunity to engage with the cutting edge of research in these fields, and to make progress on understanding the viability and legitimacy of algorithmic decision-making.

The conference aims to bring established global leaders in these fields together with the emerging talent that will define these debates for years to come. Key themes explored by our keynotes will include fairness, privacy, algorithmic regulation, and how we receive and process information in the age of AI.

Location

Wednesday 25 March and Thursday 26 March

Doltone House, Darling Island Wharf, South Wharf
48 Pirrama Road, Pyrmont NSW 2009

Conference poster session on Thursday 26 March

Doltone House, Tribute Museum, Jones Bay Wharf
Ground Floor, 26-32 Pirrama Rd, Pyrmont NSW 2009

Conference dinner on Thursday 26 March

Doltone House, South Pier (directly above Tribute Museum), Jones Bay Wharf
level 3, 26-32 Pirrama Rd, Pyrmont NSW 2009

Friday 27 March

Doltone House, Jones Bay Wharf, South Pier
Level 3, 26-32 Pirrama Rd, Pyrmont NSW 2009

sydney.edu.au/data-science

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Wednesday 25 March

8.30am – 9.15am Registration

9.15am – 10.45am Master Class Philosophy:
The morality, law, and politics of data and AI
Presenter: Seth Lazar, Professor of Philosophy at ANU, and project leader of the Humanising Machine Intelligence Grand challenge

10.45am – 11.15am Coffee Break

11.15am – 12.45pm Master Class Computer Science: *Algorithmic fairness and discrimination*
Presenter: Dr Lachlan McCalman, Chief Practitioner, Gradient Institute and Dr Finn Lattimore, Gradient Institute

12.45pm – 1.45pm Lunch Break

1.45pm – 3.15pm Master Class Law:
Tech and the collapse of the public/private divide
Presenter: Julia Powles, Associate Professor of Law and Technology at The University of Western Australia

3.15pm – 3.45pm Coffee Break

3.45pm – 5.15pm Master Class Psychology Privacy
Preserving: privacy preserving big data analysis using the Private language
Presenter: Prof Simon Dennis, Director, Complex Human Data Hub, Melbourne School of Psychological Sciences, University of Melbourne.

Thursday 26 March

8.30am – 9.00am Registration and Arrival Tea and Coffee

9.00am – 9.30am Welcome and opening remarks
Presenter: Sally Cripps, Professor of Statistics, the University of Sydney and Director, DARE ARC Training Centre and Dr Roman Marchant, Senior Research Fellow, the University of Sydney

9.30am – 10.30am Keynote: *Explainable artificial intelligence: beware the inmates running the asylum (or How I learnt to stop worrying and love the social and behavioural sciences)*

Presenter: A/Prof Tim Miller, School of Computing and Information Systems, Melbourne School of Engineering, University of Melbourne

10.30am – 11.00am Coffee Break

11.00am – 12.30pm Paper Presentations

12.30pm – 1.30pm Lunch Break

1.30pm – 2.30pm Keynote: *Toward wider adoption of differential privacy*
Presenter: Prof Salil Vadhan, Vicky Joseph Professor, Computer Science and Applied Mathematics, Harvard College

2.30pm – 3pm NSW Government: *Appropriate use of data driven insights: addressing privacy and sensitivities*
Presenter: Dr Ian Oppermann, Chief Data Scientist, Customer, Delivery and Transformation, Department of Customer Service

3pm – 3.30pm Coffee Break

3.30pm – 4.30pm Paper Presentations

4.30pm – 5.00pm Industry Talk:
McKinsey and QuantumBlack
Presenter: Nicolas Hohn, Associate Partner at McKinsey, and the Chief Data Scientist for QuantumBlack Australia

5.15pm – 7.00pm Poster Session

7pm – 10.30pm Conference Dinner

Program

Friday 27 March

8.30am – 9.00am Arrival tea and coffee

9.00am – 9.30am Government Presentations Stats NZ:

Algorithm transparency and accountability: New Zealand Government's journey

Presenter: Jeanne McKnight, Senior Advisor System Policy, Statistics NZ

9.30am – 10.00am Keynote: *Understanding and avoiding the pitfalls of AI in practice.*

Presenter: Dr Maria Milosavljevic, Chief Data Officer, Department of Human Services

10.00am – 11.00am Keynote: *Lost in translation: the promises and perils of the New Public Analytics*

Presenter: Prof Karen Yeung, Birmingham Law School & School of Computer Science

11.00am – 11.30am Coffee Break

11.30am – 12.30pm Paper Presentations

12.30pm – 1.30pm Lunch Break

1.30pm – 2.30pm Keynote: *The digital basanos: AI and the virtue and violence of truth-telling*

Presenter: Prof Shanon Vallor, Baillie Gifford Chair in the Ethics and Data of Artificial Intelligence

2.30pm – 4.00pm Paper Presentations

4.00pm – 5.00pm Closing Panel Discussion and Closing Remarks