

Machine Lawyering

Human Sovereignty and Machine Efficiency in the Law
January 14-16, 2021, The Chinese University of Hong Kong

Thursday, 14 January 2021	
2:00 – 2:10	Welcome by Dean of the Faculty of Law, Lutz-Christian Wolff, Wei Lun Professor of Law, The Chinese University of Hong Kong
2:10 – 4:00 Keynote 30 minutes, each speaker receives 20 minutes	<i>Encoding Law and Justice</i> <i>Keynote One:</i> Francisco de Elizalde – IE University Jerrold Soh – Singapore Management University Straton Papagiannenas – Leiden University Yueh-Ping Yang – National Taiwan University Peihao Yuan – The Chinese University of Hong Kong Chair: David C Donald, <i>The Chinese University of Hong Kong</i>
4:00 – 4:20	Coffee Break
4:20 – 6:00 Each speaker receives 20 minutes	<i>Encoding Law and Justice II</i> Suvi Hirvonen-Ere – University of Helsinki & Aalto University Helen Eenmaa – University of Tartu Teresa Rodríguez de las Heras Ballell – University Carlos III of Madrid MK Cheung and Clement Yongxi Chen – The University of Hong Kong Chair: Jyh-An Lee, <i>The Chinese University of Hong Kong</i>
6:00 – 6:20	Coffee Break
6:20 – 8:20 Each speaker receives 20 minutes	<i>Use and Abuse of Data Science</i> Margarita Vladimirova – Deakin University Choi Man Yiu – Alexander von Humboldt-Stiftung and Hong Kiu Cheng – Independent Natasha Pushkarna – The Chinese University of Hong Kong Tuisha Sircar – Independent Researcher and Pranav Menon – Jawaharlal Nehru University Mitsu Parikh and VS Krishna – World of Legal Research Chair: Eliza Mik, <i>The Chinese University of Hong Kong</i>

Friday, 15 January 2021

9:00 – 9:05	Welcome
9:05 – 10:45 Keynote 30 minutes, each speaker receives 20 minutes	<p><i>Fintech and the Market</i> <i>Keynote Two: Will Cong</i> – Cornell University Hanne Hirvonen – University of Helsinki Ke Tang – Tsinghua University Nydia Remolina – Singapore Management University</p> <p>Chair: James Zeng, The Chinese University of Hong Kong</p>
10:45 – 11:15	Coffee Break
11:15 – 1:15 Each speaker receives 20 minutes	<p><i>Data, Network Effects and Competition</i> Ramsi Woodcock – University of Kentucky Sandra Marco Colino – The Chinese University of Hong Kong Ke Tang – Tsinghua University Cristina Poncibo – The University of Turin and Laura Zoboli – University of Warsaw</p> <p>Chair: Jae Woon Lee, The Chinese University of Hong Kong</p>
1:15 – 2:00	Lunch Break
2:00 – 4:00 Each speaker receives 20 minutes	<p><i>Fintech and Market Fairness</i> Sara Sánchez Fernández – IE University Thomas Lambert – Rotterdam School of Management Patrick Raschner – University of Innsbruck Daniel Liebau – Rotterdam School of Management Ville Savolainen – Hanken School of Economics</p> <p>Chair: Pawee Jenweeranon, The Chinese University of Hong Kong</p>
4:00 – 4:15	Coffee Break
4:15 – 6:20 Keynote 30 minutes, each speaker receives 20 minutes	<p><i>Ethical Concerns of a Digital World</i> <i>Keynote Three: Bar Fargon Mizrahi</i> – Bar Ilan University Norman Witzleb – Monash University Elena Falletti – Università Carlo Cattaneo - LIUC Julie Elizabeth Boyd – Liverpool John Moores University Sonja Mangold – Bremen University</p> <p>Chair: Stuart Hargreaves, The Chinese University of Hong Kong</p>
6:20 – 7:00	Coffee Break

7:00 – 9:00 Each speaker receives 20 minutes	<p><i>Ethical Concerns of a Digital World</i></p> <p>Wolfgang Zankl – University of Vienna Maja Nišević – University of Verona Longtian Zhang – Tsinghua University Po Kan Lo – The Chinese University of Hong Kong Maria José Schmidt-Kessen - Copenhagen Business School</p> <p>Chair: Ian Lee, <i>The Chinese University of Hong Kong</i></p>
Saturday, 16 January 2021	
8:25 – 8:30	Welcome
8:30 – 10:45 Keynote 30 minutes, each speaker receives 20 minutes	<p><i>Managing a Data-Based World</i></p> <p><i>Keynote Four:</i> Jiarui Liu – Stanford University Vanessa Villanueva Collao – University of Illinois Shainy Pancrasius – Christ University and Bhagyalakshmi R. – Central University of Tamil Nadu Karni Chagal-Feferkorn – University of Ottawa Joshua Davis - The University of San Francisco</p> <p>Chair: Paul Schmidt, <i>The Chinese University of Hong Kong</i></p>
10:45 – 11:00	Coffee Break
11:00 – 12:45 Keynote 30 minutes, each speaker receives 20 minutes	<p><i>Public Institutions in a Digital World</i></p> <p><i>Keynote Five:</i> Heng Wang – University of New South Wales Simin Gao – Tsinghua University Robin Huang – The Chinese University of Hong Kong Nikolai Milogolov – RANEP (Moscow) Jingyi Wang – The Chinese University of Hong Kong</p> <p>Chair: Noam Noked, <i>The Chinese University of Hong Kong</i></p>
12:45 – 1:20	Lunch
1:20 – 3:20 Each speaker receives 20 minutes	<p><i>The Future of a World Changed by Digital Technologies</i></p> <p>Erik Vermeulen – Tilburg University Vincenzo Bavoso – University of Manchester Brian Tang – The University of Hong Kong Dennis Khong - Centre for Law and Technology, Multimedia University Xu Zhu – University of Bremen</p> <p>Chair: Chao Xi, <i>The Chinese University of Hong Kong</i></p>
3:20 – 3:30	Closing

DETAILED PROGRAM

Thursday, 14 January 2021

2:00 Welcome by Dean Lutz-Christian Wolff, The Chinese University of Hong Kong

2:10 – 4:00: *Encoding Law and Justice*

- ◆ **Keynote One: Francisco de Elizalde – IE University**
Does Law Determine the Fate of Automation of Legal Services?
- ◆ **Jerrold Soh – Singapore Management University**
Towards a Control-Centric View of Tort Liability for Automated Vehicles
- ◆ **Straton Papagiannneas – Leiden University**
Can an Automated Judicial Process Still Be Fair?
- ◆ **Yueh-Ping Yang – National Taiwan University**
When Courts Meet Blockchain: Can the Old Bottle Contain the New Wine?
- ◆ **Peihao Yuan – The Chinese University of Hong Kong**
Virtual Hearings in the COVID-19 Era

Chair: David C Donald, *The Chinese University of Hong Kong*

○ 4:00 – 4:20 Coffee Break ○

4:20 – 6:00: *Encoding Law and Justice II*

- ◆ **Suvi Hirvonen-Ere – University of Helsinki & Aalto University**
Machine-Efficient or Human-Centered Contracts - or Both?
- ◆ **Helen Eenmaa – University of Tartu**
Machines That Keep Promises
- ◆ **Teresa Rodríguez de las Heras Ballell – University Carlos III of Madrid**
The Panacea of Algorithmic Law Enforcement
- ◆ **MK Cheung and Clement Yongxi Chen – The University of Hong Kong**
AI-Assisted Prediction of Sentencing in Drug Trafficking Cases in Hong Kong: A Model for Combining Human and Algorithmic Legal Decision-Making

Chair: Jyh-An Lee, *The Chinese University of Hong Kong*

○ 6:00 – 6:20 Coffee Break ○

6:20 – 8:20: *Use and Abuse of Data Science*

- ♦ **Margarita Vladimirova – Deakin University**
Deepfake Identity Fraud Crimes: New Modus Operandi or a New Offence?
- ♦ **Choi Man Yiu – Alexander von Humboldt-Stiftung and Hong Kiu Cheng – Independent**
After Schrems II: human sovereignty and cross-border data transfer in the EU and Hong Kong
- ♦ **Natasha Pushkarna – The Chinese University of Hong Kong**
The Face of Convenience
- ♦ **Tuisha Sircar – Independent Researcher and Pranav Menon – Jawaharlal Nehru University**
Deconstructing Aarogya Setu's data protection safeguards using Actor Network Theory
- ♦ **Mitsu Parikh and VS Krishna – World of Legal Research**
Ramifications faced by Indian Economy and Need to AI Inculcate in Solutions

Chair: Eliza Mik, *The Chinese University of Hong Kong*

Friday, 15 January 2021

9:00 – 9:05 **Welcome**

9:05 – 10:45: *Fintech and the Market*

- ♦ **Keynote Two: Will Cong – Cornell University**
Crypto Wash Trading
- ♦ **Hanne Hirvonen – University of Helsinki**
Autonomous Decision-Making and Responsibility for Official Actions
- ♦ **Ke Tang – Tsinghua University**
Single-Step Portfolio Construction through Reinforcement Learning
- ♦ **Nydia Remolina – Singapore Management University**
The Role of Financial Regulators in Enforcing Fairness in AI based Credit Scoring

Chair: James Zeng, *The Chinese University of Hong Kong*

○ 10:45-11:15 Coffee Break ○

11:15 – 1:15: *Data, Network Effects and Competition*

- ♦ **Ramsi Woodcock – University of Kentucky**
Ruinous Information Competition, AI-Generated Speech, and the Postal Internet
- ♦ **Sandra Marco Colino – The Chinese University of Hong Kong**
Antitrust's Coming of (Digital) Age

- ♦ **Ke Tang – Tsinghua University**
Asymmetric Cross-side Network Effects on Digital Platforms
- ♦ **Cristina Poncibo – The University of Turin and Laura Zoboli – University of Warsaw**
Competition Law and Innovation: A Comparative Perspective on Regulatory Sandboxes

Chair: Jae Woon Lee, *The Chinese University of Hong Kong*

○ Lunch Break 1:15 – 2:00○

2:00 – 4:00: *Fintech and Market Fairness*

- ♦ **Sara Sánchez Fernández – IE University**
Crypto-Securities Transactions and Third-Party Effects: A Conflict of Laws Approach
- ♦ **Thomas Lambert - Rotterdam School of Management**
Crowdfunding Dynamics
- ♦ **Patrick Raschner – University of Innsbruck**
Control of Algorithms in Securities Trading Through Mandatory Market Simulations?
- ♦ **Daniel Liebau – Rotterdam School of Management**
Security Token Offerings
- ♦ **Ville Savolainen - Hanken School of Economics**
Mining Pools' Incentives to Double Spend in Blockchain Based Cryptocurrencies

Chair: Pawee Jenweeranon, *The Chinese University of Hong Kong*

○ 4:00-4:15 Coffee Break ○

4:15 – 6:20: *Ethical Concerns of a Digital World*

- ♦ **Keynote Three: Bar Fargon Mizrahi – Bar Ilan University**
Ethical Risks in Terms of Service and Privacy Policies of Mobile Apps
- ♦ **Norman Witzleb – Monash University**
Online Proctoring and Privacy
- ♦ **Elena Falletti – Università Carlo Cattaneo - LIUC**
Privacy Protection, Big Data Gathering and Public Health Issues: COVID-19 Tracking
- ♦ **Julie Elizabeth Boyd – Liverpool John Moores University**
A Look at Facial Recognition Technology and the Legal Issues and Challenges
- ♦ **Sonja Mangold – Bremen University**
Data Privacy and Crowdsourcing: Selected Problems between China, Germany and the US

Chair: Stuart Hargreaves, *The Chinese University of Hong Kong*

○ 6:20-7:00 Coffee Break ○

7:00 – 9:00: *Ethical Concerns of a Digital World*

- ◆ **Wolfgang Zankl – University of Vienna**
Human Modelled Machine Efficiency and Strict Liability
- ◆ **Maja Nišević – University of Verona**
The Profiling Consumers through Big Data Analytics under Article 22 GDPR
- ◆ **Longtian Zhang – Tsinghua University**
Knowledge Accumulation, Privacy, and Growth in a Data Economy
- ◆ **Po Kan Lo – The Chinese University of Hong Kong**
A Comparative Study of Data Privacy Regulation
- ◆ **Maria José Schmidt-Kessen - Copenhagen Business School**
Taming Tech Giants German-Style? - Ordoliberalism and the German GWB Digitization Act

Chair: Ian Lee, *The Chinese University of Hong Kong*

Saturday, 16 January 2021

8:25 – 8:30 Welcome

8:30-10:45: *Managing a Data-Based World*

- ◆ **Keynote Four: Jiarui Liu - Stanford University**
Blockchain Copyright Exchange – A Prototype
- ◆ **Vanessa Villanueva Collao – University of Illinois**
The New Frontier in Data Privacy and Ownership Structure: Tokenizing Genomics
- ◆ **Shainy Pancrasius – Christ University and Bhagyalakshmi R. – Central University of Tamil Nadu**
Maximising Energy Efficiency by Artificial Intelligence Energy Synergy
- ◆ **Karni Chagal-Feferkorn – University of Ottawa**
How Can I Tell if My Algorithm Was Reasonable?
- ◆ **Joshua Davis - The University of San Francisco**
AI, Ethics, and Law: A Possible Way Forward

Chair: Paul Schmidt, *The Chinese University of Hong Kong*

○ 10:45-11:00 Coffee Break ○

11:00 – 12:45: *Public Institutions in a Digital World*

- ◆ **Keynote Five: Heng Wang – University of New South Wales**

Simin Gao – Tsinghua University

The Future of the International Financial System: A CBDC Network and Regulatory Outlook

♦ **Robin Huang – The Chinese University of Hong Kong**

The State of Chinese Mobile Payment Systems

♦ **Nikolai Milogolov – RANEPA (Moscow)**

Tax Implications of MNE Digitalisation for Asia

♦ **Jingyi Wang – The Chinese University of Hong Kong**

Digitalisation of the International Tax Rules

Chair: Noam Noked, *The Chinese University of Hong Kong*

○ 12:45-1:20: Lunch Break ○

1:20 – 3:20: *The Future of a World Changed by Digital Technologies*

♦ **Erik Vermeulen – Tilburg University**

Artificial Intelligence Will Make Us All “Entrepreneurs”

♦ **Vincenzo Bavoso – University of Manchester**

Access to Finance: Between the Promises of P2P Lending and the Tradition of Sou-Sou

♦ **Brian Tang – The University of Hong Kong**

A Conceptual Framework for Wise and Just Ai-Human Centaurs

♦ **Dennis Khong - Centre for Law and Technology, Multimedia University**

Artificial Intelligence as a Common Heritage of Mankind

♦ **Xu Zhu – University of Bremen**

Big Data und Advanced Analytics in the context of the European Financial Regulation

Chair: Chao Xi, *The Chinese University of Hong Kong*

Conference Closing: 3:20 – 3:30