

# 2023 INTERNATIONAL CONFERENCE ON ALGORITHMS AND LAW

Dec 11, 2023, Draft

## **Conference Program: Ordered Innovation: China's Approach towards AI Regulation**

**Presenter:** Professor George Zheng (郑戈)

**Affiliation:** Shanghai Jiao Tong University KoGuan Law School

**Position:** Professor

**Date and Time:** December 18 at 7:00pm China Standard Time

### **Program Schedule:**

- 1. Introduction and Welcome**
  - A brief introduction to the conference, welcoming remarks, and an overview of Professor Zheng's contributions to the field.
- 2. Keynote Presentation: "Ordered Innovation: China's Approach towards AI Regulation" by Professor George G. Zheng**
  - Facilitating Laws on AI in China
  - Restricting Laws on AI in China
  - The Making of the general Artificial Intelligence Law in China
- 3. Topic One: The Laws to Facilitate AI Innovations and Industrial Development in China**
  - Introducing one particular type of laws in China, namely, industry promoting law (产业促进条例), with focus on two particular pieces of such laws: one is Shanghai Regulations on Promoting the Development of AI Industry; another is Shenzhen Special Economic Zone Regulations on Promoting the Development of AI industry.
  - Explaining the nature of such local laws.
  - Elaborating the major contents of such laws.
- 4. Topic Two: The laws to address rights protection and risk control in AI development**

- Introducing China's regulatory framework on AI with a focus on the roles of three major agencies in regulating AI: the Cyberspace Administration of China (CAC), the Ministry of Science and Technology, and the Ministry of Industry and Information Technology.
- Introducing the major laws regulating different types of AI, for example, the regulations on recommendation algorithms (2021), the rules for deep synthesis algorithms (2022), and the rules on generative AI (2023). These laws have led one observer to say: "Beijing is leading the way in AI regulation." (Matt Sheehan, Carnegie Endowment for International Peace).
- Elaborating the nature and content of these administrative regulations.

5. **Topic Three: The Comprehensive AI Law in Making**

- Explaining why China is now making a comprehensive AI law even after it has made specific laws covering each and every major type of AI.
- Predicting the possible contents of this law.
- Depicting the contour of Chinese AI Law system and predicting its future shape.

6. **Panel Discussion with Professor Michelle Miao**

7. **Q&A Session**

- Open floor for audience questions and an interactive discussion with Professor Zheng.

8. **Closing Remarks**

- Concluding the session with thanks to Professor Zheng and the attendees.

**Speaker's Biography:** <https://en.law.sjtu.edu.cn/FD/3121.html>.

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**Conference Program: A New Hermeneutics for Computational Law**

**Presenter:** Professor Mireille Hildebrandt

**Affiliation:** Vrije Universiteit Brussels

**Positions:** Principal Investigator

**Date and Time:** December 18 at 2:30pm Brussels time

**Program Schedule:**

1. **Introduction and Welcome**

- Opening remarks and introduction of Professor Mireille Hildebrandt.

2. **Keynote Presentation: "A New Hermeneutics for Computational Law" by Professor Mireille Hildebrandt**

- Exploration of the impact of computational technologies on law.
  - Analysis of the relationship between legal positivism and computational law.
  - Discussion on new hermeneutical approaches to data- and code-driven law.
3. **Topic 1: The Performative Effect of Law and Hermeneutics**
    - Examination of interpretation theory in the context of law's performative effect.
    - Linking rhetoric, nudge theory, and machine learning in legal contexts.
  4. **Topic 2: Reinventing the Rule of Law in the Computational Era**
    - Argument for developing a new theory and practice of legal interpretation.
    - Addressing the challenges posed by computational contingency in law
  5. **Q&A Session**
    - Opportunity for attendees to engage with Professor Hildebrandt.
  6. **Closing Remarks and Networking**
    - Concluding the session and inviting attendees to network and discuss collaborative opportunities.

**Speaker's Biography:** <https://www.cohubicol.com/about/research-team/#mireille-hildebrandt>

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## **Conference Program: Computer-Assisted Connoisseurship - Methods, Trends, and Legal Issues**

**Presenter:** Dr. David G. Stork

**Affiliation:** Stanford University

**Position:** Adjunct Professor

**Date and Time:** December 18 at 5:00pm Pacific Time

### **Program Schedule:**

1. **Introduction and Welcome**
  - Brief introduction to the conference and welcoming remarks.
2. **Keynote Presentation: "Computer-assisted Connoisseurship: Methods, Trends, and Legal Issues" by Dr. David G. Stork**
  - Overview of state-of-the-art developments in computer vision, machine learning, and AI in art analysis.
  - Exploration of two key computer-related topics in art analysis and their legal ramifications.
3. **Topic 1: Digital Recovery of Lost Artworks**
  - Discussion on the computational integration of preparatory studies, copies, and textual descriptions to approximate lost artworks.

- Examination of the legal status and constraints of such digitally recovered works.
4. **Topic 2: Probabilistic Estimation of Artwork Authenticity**
    - Analysis of the legal implications of rendering probabilistic conclusions about artwork authenticity using Bayesian reasoning.
    - Exploration of the collective conclusion and individual scholarly opinions in artwork authentication.
  5. **Q&A Session**
    - Open floor for audience questions and discussion with Dr. Stork.
  6. **Closing Remarks**
    - Concluding the session and thanking the speaker and attendees.

**Speaker's Biography:** Dr. David G. Stork is an esteemed graduate of MIT and the University of Maryland, with a background in Physics and Art History. As an Adjunct Professor at Stanford University, he specializes in computational analysis of art and other topics. A pioneering figure in applying computer vision and AI to art history, Dr. Stork's contributions include scholarly papers, conference foundations, and the seminal book "Pixels & Paintings: Foundations of Computer-Assisted Connoisseurship."

**Recommended Pre-reading Material:**

- "How AI is Expanding Art History," David G. Stork, Nature 623:685–687 (2023)
- "Optics and Realism in Renaissance Art," David G. Stork, Scientific American 291(6):76–84 (2004)

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**Conference Program: Legal Challenges in the Applications of Artificial Intelligence: A comparative study on regulatory approaches of AI in the US, EU and UK**

**Presenter:** Dr Pardis M Tehrani

**Affiliation:** School of Law, Sunderland University

**Positions:** Head of Law School

**Date and Time:** December 19 at 9:00am Geneva time

**Program Schedule:**

1. **Introduction and Welcome**
  - Opening remarks and introduction of Dr Pardis M Tehrani.
2. **Keynote Presentation: "Legal Challenges in the Applications of Artificial Intelligence: A comparative study on regulatory approaches of AI in the US, EU and UK" by Dr Pardis M Tehrani**
  - Explore various types of regulations and different regulatory approaches.

- Discuss the challenges that arise from the application of AI and analyse, based on these challenges, which type of regulation represents the best approach.
- 3. **Topic 1: Different approaches in regulating Artificial intelligence.**
  - UK approach in regulating Artificial intelligence.
  - US approach in regulating Artificial intelligence.
  - EU approach in regulating Artificial intelligence.
- 4. **Topic 2: Legal analysis of the three approaches.**
  - Analysis and critique of the proposed EU Act.
  - Analysis and critique of the UK Approach.
  - Analysis and critique of the USA Approach.
- 5. **Topic 3: Comparison among the three approaches based on the principle of effective regulation.**
  - Conclusion and Recommendations
- 6. **Q&A Session**
  - Opportunity for attendees to engage with Professor Tehrani.
- 7. **Closing Remarks and Networking**
  - Concluding the session and inviting attendees to network and discuss collaborative opportunities.

**Speaker's Biography:** <https://www.sunderland.ac.uk/about/staff/law/pardistehrani/>

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## **Conference Program: Algorithms and Risk Assessment Instruments in Criminal Adjudication**

**Presenter:** Professor James Greiner

**Affiliation:** Harvard Law School

**Position:** S. William Green Professor of Public Law and Faculty Director, Access to Justice Lab

**Date and Time:** December 19 at 8:30am Eastern Standard Time

### **Program Schedule:**

1. **Welcome and Introduction**
  - Brief opening remarks and introduction of keynote speaker, Professor Jim Greiner.
2. **Keynote Address: " Algorithms and Risk Assessment Instruments in Criminal Adjudication " by Professor Jim Greiner**

3. **Session**
4. **Panel Discussion with Professor George G. Zheng**
5. **Q&A Session**
  - Opportunity for attendees to engage with Professor Greiner and panelists.
6. **Closing Remarks and Networking**
  - Concluding the session and inviting attendees to network and discuss collaborative opportunities.

**Speaker's Biography:** Professor Jim Greiner, the S. William Green Professor of Public Law at Harvard Law School, serves as the faculty director of the Access to Justice Lab. An expert in access to justice issues, he has a J.D. from the University of Michigan Law School and a Ph.D. in statistics from Harvard University. His career spans roles as a practicing attorney for the United States Department of Justice and for a private law firm, as a researcher, and as an advocate for legal access. His research focuses on the empirical study of legal problems and solutions, particularly the use of randomized control trials in court systems around world.

**Recommended Pre-reading Material:**

- Imai, Jiang, Greiner, Halen, & Shin, Experimental Evaluation of Algorithm-Assisted Human Decision-Making: Application to Pretrial Public Safety Assessment, 186 JRSS(A) 167 (2023).
- Randomized Control Trial Evaluation of the Implementation of the PSA-DMF System in Dane County, WI: Interim Report, available at <http://a2jlab.org/wp-content/uploads/2020/09/Dane-County-PSA-DMF-RCT-Interim-Report.pdf>

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**Conference Program: Attributing (Hybrid) Liability: Autonomous Vehicles as A Context**

**Presenter:** Professor Michelle Miao

**Affiliation:** Center of Advanced Study in the Behavioral Sciences, Stanford University/Chinese University of Hong Kong

**Position:** Fellow/ Professor

**Date and Time:** December 19 at 6:00pm Pacific Time

**Program Schedule:**

2. **Introduction and Welcome**
  - Opening remarks and introduction of Professor Michelle Miao.
3. **Keynote Presentation: "Attributing (Hybrid) Liability: Autonomous Vehicles as A Context" by Professor Michelle Miao**

- Introducing the deployment of AV as a project of shared human-machine collaboration.
  - Overview of SAE Levels 3-4: Explaining the levels and the human-vehicle interaction.
  - Importance and relevance of discussing liability in AV accidents.
4. **Topic 1: Hybrid vs Exclusive Liability**
    - Introducing existing laws and their applicability in AV accidents.
    - Lack of updates in legislation
    - Legal hurdles: realistic challenges in adapting to technological advancements.
  5. **Topic 2: Mapping out the Public Mind**
    - The hurdles for holding algorithms responsible.
    - Varied opinions on who should bear responsibility.
    - What factors may have caused the variation?
  6. **Panel Discussion with Dr. David G. Stork**
  7. **Q&A Session**
    - Opportunity for attendees to engage with Professor Miao.
  8. **Closing Remarks and Networking**
    - Concluding the session and inviting attendees to network and discuss future collaborations.

**Speaker's Biography:**

<https://www.law.cuhk.edu.hk/app/people/prof-michelle-miao/>

<https://casbs.stanford.edu/people/current-fellows#42731>

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**Conference Program: Do we regulate AI - or does AI regulate us?**

**Presenter:** Professor Christian Duve

**Affiliation:** University of Heidelberg, Faculty of Law

**Position:** Honorary Professor

**Date and Time:** December 20 at 11am Central European Time

**Program Schedule:**

1. **Welcome and Introduction**
  - Brief opening remarks and introduction of keynote speaker, Professor Christian Duve.

2. **Keynote Address: " Do we regulate AI - or does AI regulate us? " by Professor Christian Duve**
3. **Content: Overview of suggested regulatory framework for AI in the EU (AI Act, AIA)**
  - **When and how was the AIA initiated?**
  - **What is the reasoning behind the AIA?**
  - **Which issues is the AIA going to address specifically?**
  - **What are the implications for so-called high-risk applications?**
  - **Which topics are debated most intensely?**
4. **Q&A Session**
  - Opportunity for attendees to engage with Professor Christian Duve.
5. **Closing Remarks and Networking**
  - Concluding the session and inviting attendees to network and discuss collaborative opportunities.

**Speaker's Biography:** <https://www.christian-duve.de/en/>