

AI in Tax, Audit and Fintech Workshop Programme

22-23 June 2023

Oak House (3rd floor), Hillside,
University of Surrey, GU2 7XH

The use of digital technologies in tax and financial services has come far over the last ten years while there has been little attention on how it empowers and impacts a diverse society. The workshop aims to match digital innovation in tax administration with principles and mechanisms to protect both users and the reliability of outputs. The workshop will bring together experts in tax administration, fintech, economic policy design, machine learning, AI, early career researchers and PhD students.

The Alan Turing Institute

AI IN TAX, AUDIT AND FINTECH



People-Centred AI
UNIVERSITY OF SURREY



Queen Mary
University of London

Centre for Commercial Law Studies



SURREY
BUSINESS
SCHOOL

UNIVERSITY OF SURREY



CENTRE
FOR FINTECH

UNIVERSITY OF SURREY



SURREY LAW AND
TECHNOLOGY HUB

UNIVERSITY OF SURREY



It is co-organized by Queen Mary University of London (Centre for Commercial Law Studies, Institute of Tax Law), University of Exeter (Tax Administration Research Centre (TARC)) and the University of Surrey (Surrey Institute for People-Centred Artificial Intelligence, Surrey Law and Technology Hub, Sustainable and Explainable Fintech Centre, Surrey Business School).

DAY-1

(BST) Presentations are followed by panel discussion.

Panel 1 - The role of digital technology in tax administration

9:00 to 10:45

- *The role of digital technology in tax administration* - [Santiago Díaz de Sarralde](#) and [Marcio F. Verdi](#)
- *Tax Administration and Taxpayer Compliance in the Digital Transformation of Tax Systems* - [Rhodah Nyamongo](#)
- *Maturity level of French tax departments' digitalisation* - [Emmanuelle Deglaire](#)
- *Use of AI in Irish Revenue* - [Eamon Kelleher](#)
- Panel discussion - [Christos Kotsogiannis](#)(Chair),
[Joshua Aslett](#)

10:45 to 11:00 Break

Panel 2 - Principles and standards

11:00 to 12:45

- *Tax Administration: Principles and standards* - [Stephen Daly](#)
- *The value and limits of eXplainable AI for tax* - [Błazej Kuzniacki](#)
- *Digitalization Challenges and Emerging Implications of AI in Tax Administration* - [Joshua Aslett](#)
- *The outstanding legal questions with regard to the use of AI by tax administrations and the interdisciplinary approach to tackle these legal questions* - [Sylvie De Raedt](#)
- Panel discussion - [Ira Lindsay](#)(Chair),
[Christina Dimitropoulou](#) (online)
[Luisa Scarcella](#)

12:45 to 13:45 Lunch

Panel 3 - Using AI to advance administration and policy 13:45 to 15:30

- *Towards the Digital Transformation of Tax with Artificial Intelligence - Overview and One Example on Transfer Pricing* - [Alexander Beuther](#)
- *Deus Tax Machina: The use of artificial intelligence by tax administrations in the EU and its implications for tax procedure and taxpayers' fundamental rights* - [David Hadwick](#)
- *AI-driven decision making in tax administrations - Opportunities and risks* - [Christina Dimitropoulou](#) (online)
- Panel discussion - [Bernard Schneider](#)(Chair),
[Błazej Kuzniacki](#),
[Santiago Díaz de Sarralde](#)

15:30 to 15:45 Break

Panel 4 - Using AI to advance administration and policy 15:45 to 17:30

- *AI ethics and innovation at HMRC* - [Anna Kwiatkowska](#) and [Matthew Vick](#)
- *myDATA: Continuous business transaction data collection to enhance tax compliance* - [Apostolos Boutos](#)
- *Forecasting daily and monthly tax revenue using artificial neural networks - a case study in Bahia, Brazil* - [Erick Sperandio](#)
- Panel discussion - [Christos Kotsogiannis](#)(Chair),
[Marcio F. Verdi](#)

18:30 Dinner

DAY-2

(BST)

Panel 5 - The impact of AI tools on practice

9:00 to 10:45

- *Professionally Responsible Artificial Intelligence* - [Michael Hatfield](#)
- *AI - a technology for good* - [Steve Barr](#)
- LegalTech - [Akber Dato](#)
- Panel discussion - [Vasiliki Koukoulioti](#)(Chair)

10:45 to 11:00 Break

Panel 6 - Using AI to advance administration and policy

11:00 to 12:45

- *AI as Policymaker and Silicon as Social Lab: Modern Techniques for Policy Planning and Implementation* - [Zachary Kessler](#) (online)
- *Some examples of the use of machine learning to improve tax administration* - [Alessandro Santoro](#) (online)
- *Predictive justice in tax courtrooms* - [Vasiliki Koukoulioti](#) and [Luisa Scarcella](#)
- Panel discussion - [Ira Lindsay](#)(Chair),
[Apostolos Boutos](#),
[Rhodah Nyamongo](#)

12:45 to 13:30 Lunch

Panel 7 - Taxing AI and cryptocurrencies

13:30 to 15:00

- *The current state of digital asset taxation* - [Ben Lee](#)
- *Taxation of Crypto Assets: Challenges for Tax Authorities* - [Nigar Hashimzade](#)
- Panel discussion - [Shuhui Wang](#)(Chair),
[Emmanuelle Deglaire](#)