

Mathematics and Policy Day

Wednesday 24th June 2026

Warwick Mathematics Institute – Zeeman Building

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| 11:00am | Dr Heather Tewkesbury , President of the IMA
<i>Chocolate and Nuclear Reactors: Mathematics Matters</i> | Room MS.03 |
| 11:45am | Dr Alvaro Cabrejas-Egea , European Commission AI Policy Office
<i>From Reinforcement Learning to the EU AI Office:
A Non-Linear Path into Policy</i> | Room MS.03 |
| 12:30pm | Lunch | |
| 1:30pm | Dr Martine Barons , Warwick Applied Statistics & Risk Unit
<i>Working with Policymakers - Making Collaborations Successful</i> | Room B3.03 |
| 2:15pm | Dr Peter Dawson , United Kingdom Home Office
<i>The Role of Mathematics and Analysis in the Civil Service</i> | Room B3.03 |
| 3:00pm | Professors Matt Keeling, Kat Rock and Mike Tildesley , SBIDER
<i>Policy Advice from Mathematical Epidemiology</i> | Room B3.03 |
| 3:45pm | Tea, cakes and discussions | |

Registration

To help us plan for catering, please register [here](#).

warwick.ac.uk/fac/sci/mathsys/mathsys_summer_school_2026_registration/



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OF WARWICK**

Mathematics and policy day

Dr Heather Tewkesbury

Chocolate and Nuclear Reactors: Mathematics Matters

Dr Heather Tewkesbury is President of the Institute of Mathematics and its Applications, Chief of Strategic Relationships at the Smith Institute and was previously Chair of the MathSys Advisory Board! She has spent over 30 years working in applications of the mathematical sciences to real world problems in business and government, starting with her PhD in the modelling of chocolate manufacture and most recently launching an expansion of the Mathematics Matters initiative with the IMA.

Dr Alvaro Cabrejas-Egea

From Reinforcement Learning to the EU AI Office: A Non-Linear Path into Policy

Alvaro Cabrejas-Egea is a Technology Specialist and Policy Officer at the EU AI Office (European Commission), working at the intersection of technology and policy across frontier AI, robotics, automotive AI/ADAS, and drones. He worked in large simulations as an aerospace engineer before completing his PhD through Warwick's MathSys CDT in 2020, where he applied reinforcement learning and time-series methods to problems in intelligent transportation. Before joining the Commission in 2025, he worked at the Alan Turing Institute and Vivacity Labs and was Tech Lead for GenAI and AI Ethics at Fujitsu Research. Currently he works on the technical side of AI policy.

Dr Martine Barons

Working with policymakers - making collaborations successful

Martine Barons earned her PhD at Warwick in the Complexity CDT and went on to a postdoc position in Statistics. She now runs the Applied Statistics & Risk Unit, with a remit to encourage the use of the research in the department into real-world solutions for business, government and industry. She has worked extensively with external partners and recently published a paper titled **Risk, uncertainty, decision and stakeholders - best practice for sustainable outcomes**.

Dr Peter Dawson

The role of mathematics and analysis in the civil service

Peter Dawson joined the Government Operational Research Service in 2016 after completing a PhD in Complexity Science and Mathematics. He initially worked in the Department of Work and Pensions evaluating and supporting labour market trials. Since 2018, he has worked in the Home Office in analytical roles covering immigration and crime. He has worked on a variety of projects developing models and analysis to support operational and policy decisions.

Professors Matt Keeling, Kat Rock and Mike Tildesley

Policy advice from Mathematical Epidemiology

The Epidemiology group at the Zeeman Institute for Systems Biology & Infectious Disease Epidemiology Research (SBIDER) has been at the forefront of health policy advice at the level of international NGOs as well as UK and overseas governments. Members of the group will share their experience of the pipeline from data analysis to model predictions and action by state-level decision makers.