Science, Technology and Innovation Policy for Turbulent Times

17–21 June 2019

COURSE OVERVIEW

In the UK, and across the world, political, technological and environmental changes are contributing to increasingly turbulent conditions in which policymakers have to respond to complex dynamics and new sources of uncertainty. Science, technology and innovation are at once implicated as drivers of these changes and, at the same time, represent potential responses. The 2019 SPRU Residential Training Course offers policy executives the opportunity to learn from cutting-edge research in this area and share experiences with peers from across continents, providing the basis for improved decision-making and implementation.

This course will enable you to:

- Learn from leading international experts in science, technology and innovation policy studies
- Update your knowledge by engaging with key current debates around industrial transformation, artificial intelligence, clean growth and innovation within the multilateral trading system
- Share experiences and insights with international policymakers in your field.
- Learn new skills through practical workshops
- Take inspiration from a field visit that showcases research and innovation initiatives in context.

Tailor the course to follow your own sectoral interests by choosing from two sets of parallel sessions on:

- Energy systems *or* biomedical innovation
- Governance of artificial intelligence *or* innovation in food and agriculture

Also, choose between two interactive sessions on new tools for aiding innovation analysis and decision-making:

- Multi-criteria mapping *or* data visualisation with network analysis

COURSE FACULTY

The course is hosted by SPRU, an internationally recognised interdisciplinary research centre in the field of science and technology policy and management. Our academics are world-class researchers in their respected fields of study who pioneer new understandings and approaches in the governance of science, technology and innovation.

Every session will be convened by these leading critical thinkers and policy researchers, who will contribute their own new thinking on research policy, grassroots innovations, sectoral transformations and policy instruments.

- **Gordon Mackerron** Professor of Science and Technology Policy
- **Erik Millstone** Emeritus Professor
- **Ed Steinmueller** Professor of Information and Communication Technology Policy
- **Andy Stirling** Professor of Science and Technology Policy
- **Maria Savona** Professor of Innovation and Evolutionary Economics
- **Jordi Molas Gallart** Research Professor (INGENIO)
- **Caitríona McLeish** Senior Research Fellow
- **Adrian Ely** Senior Lecturer
- **Matias Ramirez** Senior Lecturer in Management
- **Daniele Rotolo** Senior Lecturer in Science Technology and Innovation Policy
- **Mari Martiskainen** Research Fellow
- **Ralitsa Hiteva** Research Fellow
- **Rachael Durrant** Research Fellow
- **Simone Vannuccini** Lecturer in Economics of Innovation
- **Bipashyee Ghosh** Research Fellow in Deep Transitions
- **Josie Coburn** Research Assistant

WHO SHOULD ATTEND?

This training course is designed for mid-career policy professionals and executives working in government and non-government organisations with a focus on science, technology and innovation policy design, implementation and evaluation.

TIMINGS	DAY 1 Introduction	DAY 2 Digging deeper	DAY 3 Grassroots innovation	DAY 4 Sectoral transformations	DAY 5 Policy instruments
MORNING	Introduction (Adrian Ely)	Infrastructural innovation for resilience (Ralitsa Hiteva)	Innovating around the city – insights and experience from Brighton and Hove (Rachael Durrant)	Energy system transformations & community resilience (Mari Martiskainen) *or* Biomedical innovation (Michael Hopkins)	Research evaluation (Jordi Molas-Gallart)
	Technology and turbulence (Ed Steinmueller)	Science, policy and social movements (Matias Ramirez)	Co-ordinating grassroots and hybrid innovations for sustainable food systems (Adrian Ely)	Governance of Artificial Intelligence (Simone Vannuccini) *or* Food and agriculture (Matias Ramirez)	How to make digital transformation more inclusive in labour markets (Maria Savona)
AFTERNOON	Governing dual-use technologies in the 21st century (Caitriona McLeish)	Multi-Criteria Mapping (Bipashyee Ghosh and Josie Coburn) *or* Data visualisation with network analysis (Daniele Rotolo)	BA i360 Field Visit: national challenges and policy responses (Erik Millstone)	Group work based on the morning sessions	Final panel – selected SPRU faculty to respond to questions from the participants
	Handling uncertainty in science, technology and society (Andy Stirling)		BA i360 Field Visit continued (Erik Millstone)	Group work continued	Closing session
EVENING	Countryside walk led by Andy Stirling, and evening meal at Stanmer House	Free evening	Evening meal near Brighton seafront	Free evening	Departure

* Programme may be subject to change

KEY INFORMATION

Booking deadline: 19 April 2019.
Places are limited to 30 - early booking is essential.
Places are confirmed upon receipt of payment.

COURSE FEE

- Inclusive £2,999
- Flexible £2,499

FURTHER DETAILS AND LINK TO ONLINE BOOKING

www.sussex.ac.uk/spru/training

CONTACT

E: sprutraining@sussex.ac.uk
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COURSE FEE BREAK DOWN

The 'Inclusive' ticket includes personal airport transfers between London Heathrow/Gatwick and the University of Sussex; 6 nights accomodation/breakfast in student residencies on the campus of the University of Sussex; and all catering, refreshments, and associated course costs.

The 'Flexible' ticket option excludes airport transfers, accommodation, and breakfast. It does include two evening meals, two lunches, refreshments, and all associated course costs.

LOCATION

The University of Sussex is located on the south coast of England, on the outskirts of the popular city of Brighton and Hove, surrounded by the beauty of a national park. We are just an hour from London and 30 minutes from Gatwick airport. For a map and directions, see:
www.sussex.ac.uk/about/directions