

The Alan Turing Institute

Participant information

Workshop on cyber, artificial intelligence and society



Thank you for agreeing to attend the first of a series of events hosted by The Alan Turing Institute, National Cyber Security Centre, and Arizona State University on Cybersecurity, Artificial Intelligence and Society.

What is it?

The purpose of these workshops is to set a vision and preferred future outcome for the socio-technical-environmental role of Artificial Intelligence in Cybersecurity

This workshop will generate:

- A set of visions for a desired future
- Principles for how we should collaborate when approaching the problem
- Focal questions for exploring the problem-space

Why are we running this workshop?

The objectives of this workshop are to:

- 1) Introduce the aims of the series of events, and the societal imperative. This will be done through our two keynote speakers – Ian Levy, Technical Director from the National Cyber Security Centre in the UK, and Neal Ziring, National Security Agency (NSA) Cybersecurity Directorate Technical Director, USA
 - 2) Ideate through collaboration methodologies the aspirations of the participants with respect to the future desired state of AI within Cybersecurity – our shared North Star.
 - 3) Discuss how to meet these aspirations through pragmatic means, exploring the roles, responsibilities, and actions required to direct us towards our North Star.
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How are we running this workshop?

The sessions will be run according to the below aims:

- **Transdisciplinary** – we expect a broad group of experts in many different disciplines and sectors to come together to create new meaning and integrated new knowledge for this complex subject-matter. All expert input is valued, to ensure we explore a diverse range of opinions.
- **Rapid and participatory**– to maximise the outputs from a relatively short session, we will be moving through at pace. We are using collaboration methodologies to ensure that we run to time, and that all voices are heard. We are aiming to generate common threads, rather than seeking specific answers.
- **Candid** – the session will be run under Chatham House rules, to ensure that we encourage a frank discussion.

The outputs from this workshop will be in the form of a write up, summarising the aspirations and the pragmatisms from the sessions within the workshop. If we would like to use direct quotes from individuals, we will always ask permission.

Following this first workshop, which sets a shared vision and direction for the future of Cyber, AI, and society, we will run further workshops exploring in more depth three areas – the social, the technical, and the environmental. The outputs from these workshops will come together to be published in a special edition of IEEE Transactions in Technology and Society (stc) and the development of a research roadmap for AI and cybersecurity.

Your input will help us to cocreate both the workshop write-up and contribute to the outputs. We will provide regular updates as to the progress of this and recognise contributions where appropriate.

Where and when is the workshop?

The workshop is taking place on **28 January 14:00 – 16:00 (GMT)**. It will take place remotely on Zoom. Invitees have been emailed with a unique link to register. Prior to the workshop, you will receive an email with a link to join. Please note if you are not registered, you may not receive the joining link.

This is the first in a series of workshops. Invites to future workshops will be forthcoming.

Other time zones:

28 January 14:00 – 16:00 GMT

28 January 07:00 – 09:00 MST

28 January 09:00 – 11:00 EDT

29 January 01:00 – 03:00 AEDT

Schedule

Time	Activity	Detail
14:00	Welcome	Introduction Community Guidelines
14:05	Keynotes - The Future of AI in Cybersecurity	Neal Ziring, Technical Director, NSA Cybersecurity Directorate Dr Ian Levy, Technical Director, National Cyber Security Centre
14:40	Break	
14:45	Breakout 1	Aspirations: Exploring the future worth wanting
15:20	Plenary	Which direction are we pointing our compass?
15:30	Breakout 2	Project pragmatisms: How might we explore this together?
15:50	Conclusions and next steps	What have we achieved and what's next?
16:00	Close	

Who is involved?

The below list is not conclusive and contains only the details of those who gave express permission for us to include.

Adrian	Weller	Programme Director for AI at The Alan Turing Institute
Andrew	Goldsmith	Professor, Strategic Professor in Criminal Justice - Matthew Flinders Distinguished Professor at College of Business, Government and Law, Flinders University, Australia
Anthony	Burke	Principal Data Engineer at The Alan Turing Institute
Austin	Wyatt	Research Associate in the Values in Defence & Security Technology group at The University of New South Wales at the Australian Defence Force Academy.
Bob	Mandel	Professor and Chair of International Affairs, Lewis and Clark University
Carsten	Maple	Professor of Cyber Systems Engineering at the University of Warwick's Cyber Security Centre and Turing Fellow
David	Aspinal	Professor at the School of Informatics, University of Edinburgh and Turing Fellow
David	Mussington	Professor of the Practice and Director of Public Policy and Private Enterprise, School of Public Policy, University of Maryland at College Park
Dejan	Milojicic	Distinguished Technologist at Hewlett Packard Labs
Frank	Smith III	Director of the Cyber and Innovation Policy Institute, Strategic and Operational Research Department in the Center for Naval Warfare Studies at the U.S. Naval War College
George	Balston	Deputy Programme Director for Defence & Security, The Alan Turing Institute
Jack	Stilgoe	Senior Lecturer, Department of Science and Technology Studies, University College London

Jat	Singh	Senior Research Fellow at University of Cambridge
Jeremy	Pitt	Professor, Department of Electrical and Electronic Engineering, Imperial College London
Jon	Crowcroft	Marconi Professor of Communications Systems in the Department of Computer Science and Technology, University of Cambridge chair of the programme committee at The Alan Turing Institute
Kathleen	Vogel	Professor and Deputy Director, School for the Future of Innovation in Society, Arizona State University
Katina	Michael	Professor, School for the Future of Innovation in Society and the School of Computing, Informatics and Decision Systems Engineering; Director of the Centre for Engineering, Policy and Society, Arizona State University
Lyria	Bennett Moses	Professor in the Faculty of Law and Director of the Allens Hub for Technology, Law and Innovation and a Professor in the Faculty of Law at University of New South Wales
Mariarosaria	Taddeo	Associate Professor and Senior Research Fellow at the Oxford Internet Institute and Dstl Ethics Fellow at The Alan Turing Institute
Michael	Goodman	Professor of Intelligence and International Affairs, Head of the Department of War Studies and Dean of Research Impact at King's College London
Niccolò	Tempini	Senior Lecturer in Data Studies at the Egenis Centre for the Study of the Life Sciences (Sociology, Philosophy and Anthropology Department), University of Exeter, and Turing Fellow at The Alan Turing Institute
Nigel	Phair	Director, University of New South Wales Canberra Cyber
Rebecca	Slayton	Associate Professor, Department of Science and Technology Studies, Cornell University
Roba	Abbas	Lecturer, Subject Coordinator and Researcher in the School of Management, Operations and Marketing (SMOM) at the University of Wollongong, and is the Co-Editor for the IEEE Transactions on Technology and Society
Roderic	Broadhurst	Emeritus Professor Roderic Broadhurst, Professor of Criminology at School of Regulation and Global Governance, Australian National University
Vincent	Muller	University Fellow at the University of Leeds, Professor for Philosophy of Technology at the Technical University of Eindhoven (TU/e) and Turing Fellow at The Alan Turing Institute, London - as well as President of the European Society for Cognitive Systems and Chair of the euRobotics topics group on 'ethical, legal and socio-economic issues'.