



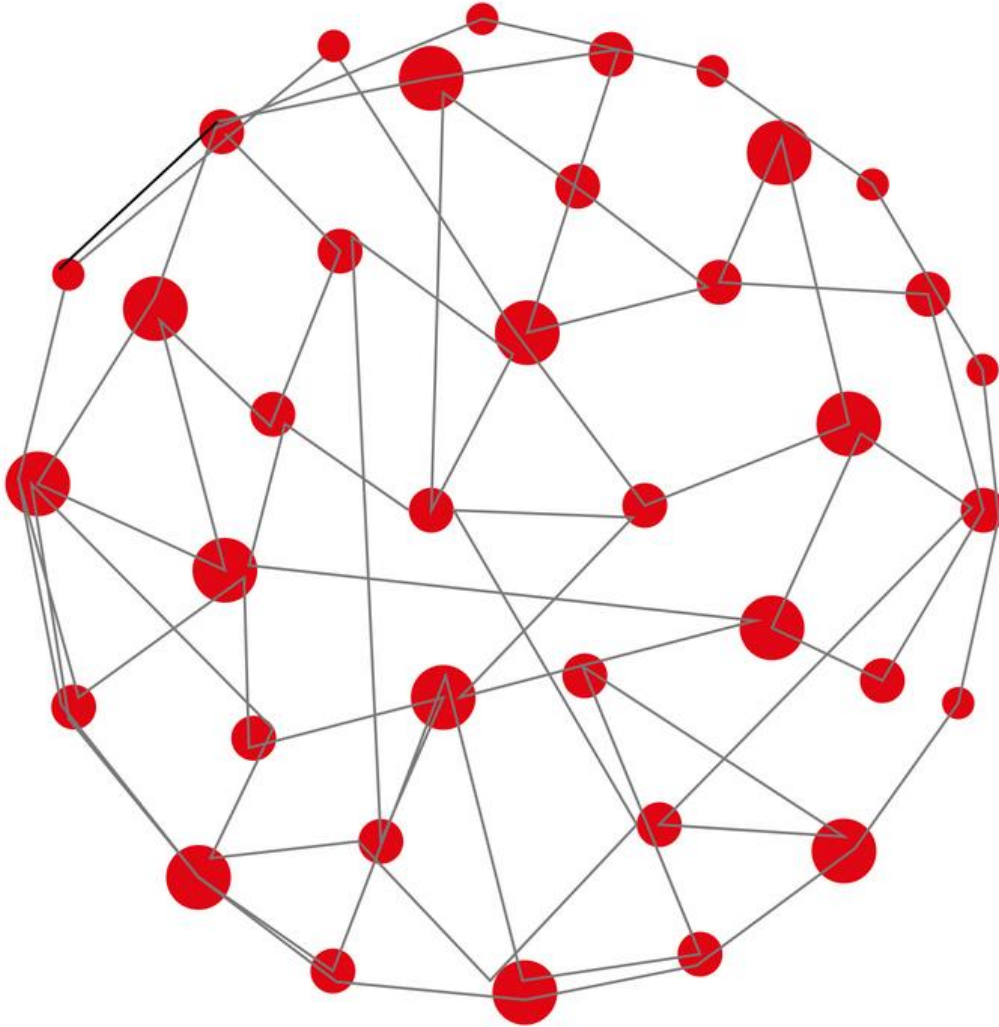
All Party Parliamentary Group on Artificial Intelligence

APPG AI Programme 2018








The All-Party Parliamentary Group on Artificial Intelligence (APPG AI) was set up in January 2017 with the aim to explore the impact and implications of Artificial Intelligence.

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1. Snapshot

APPG AI 2018	
	7 Evidence Meetings
	4 Dinners
	4 Advisory Board Meetings
	1 Spring Party
	1 Reception
	? Ad-hoc Workshops
	1 AI Toolkit

In 2018, the APPG AI will focus on building a **roadmap** to turn AI from a Grand Challenge to a *tool* for unlocking economic and social benefits across the UK.

The group will explore **practical steps** for how government, industry, and the wider society can address AI implications.

Based on last year's Evidence Meetings, six areas have been prioritised for the group to unpack. They are: **data, skills, accountability, innovation & entrepreneurship, infrastructure, and trade.**

Bringing together high-level individuals across the AI ecosystem, APPG AI will deep dive into each of these areas and discuss how their opportunities can be untapped and their risks mitigated.

APPG AI hopes to serve as a platform for a diverse audience to **share knowledge and co-create solutions for the future.** In the end, the group plans to compile a **toolkit** for Parliamentarians and other key stakeholders to use when shaping policies, regulations, and budgets.

2. Governance & Permanent Advisory Board

Elected Officers:

Table 1: APPG AI Officers

Name	Role on APPG AI
MP Stephen Metcalfe (Conservatives)	Co-Chair
Lord Tim Clement-Jones (Liberal Democrats)	Co-Chair
MP Chris Green (Conservatives)	Secretary
The Rt Rev Dr Steven Croft-Bishop of Oxford (Bishops)	Treasurer
Baroness Susan Kramer (Liberal Democrats)	Vice Chair
Lord Robin Janvrin (Crossbench)	Vice Chair
Lord Alec Broers (Crossbench)	Vice Chair
MP Mark Hendrick (Labour)	Vice Chair
MP Carol Monaghan (SNP)	Vice Chair
Lord Christopher Holmes of Richmond (Conservatives)	Vice Chair
The Rt Hon Lord David Willetts (Conservatives)	Vice Chair
Baroness Ruby McGregor-Smith (Conservatives)	Vice Chair

Secretariat:

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Key Persons: Birgitte Andersen (CEO & CoFounder) and Niki Iliadis (Innovation & Policy Foresight Manager)

Partners:

The Group supporters – Accenture, Barclays, BP, British Standards Institution, CMS Cameron McKenna Nabarro Olswang, Deloitte, EDF Energy, Ernst and Young, KPMG, Microsoft, Oxford University Computer Science, and PwC – enable us to raise the ambition of what we can achieve.



Advisory Board members:

Partners are permanent members.

Table 2: Permanent Advisory Board members

Organization	Person
Barclays	Gus Macfarlane – Managing Director, Business Performance and Innovation
Big Innovation Centre	Birgitte Andersen - CEO
Deloitte	Harvey Lewis – Director, AI and Cognitive Computing Lead
KPMG	Shamus Rae – Partner and Head of Innovation and Investments Justin Anderson – Director of Global Emerging Technology
PwC	Rob McCargow - Programme Leader, Artificial Intelligence Technology & Investments
CMS	Charles Kerrigan - Partner and Head of the International Finance Practice Group
BP	Daniel A.G. Walker - Head of Emerging Technology, Group Technology
EDF Energy	David Ferguson - Head of Digital Innovation
Oxford University (Computer Science)	Michael Wooldridge - Professor and Head of Department of Computer Science
BSI	Scott Steedman – Director of Standards (SP)
Microsoft	Chris Bishop – Director of MSR Cambridge Michael Wignall – UK National Technology Officer
Ernst and Young	Sarah Rench – AI, Advanced Analytics, and Big Data – Senior Manager
Accenture	Rumman Chowdhury – Global Lead for Responsible AI

Each Advisory Board meeting will include four to six guests to cover specific areas of expertise and to ensure diversity. Please refer to **Table 8** for a non-exhaustive list of who is included.

3. Evidence Meetings in Parliament

2018: The Practical Steps for Addressing Key AI Implications

In 2017, APPG AI mainly focused on becoming familiar with AI by inviting stakeholders and thought leaders to: express their experience, vision or view on a particular AI field.

The group gathered tons of evidence illustrating what AI’s opportunities are for the economy and the society, and what its potential risks and drawbacks might be. Meanwhile, the term ‘AI’ also received growing attention from the Government. In the Industrial Strategy, AI was identified as one of four Grand Challenges the UK must urgently embrace. And, as a result, several new governance structures have been established, including an industry-led AI Council, a Centre for Data Ethics and Innovation, and a government office for AI.

The APPG AI recommended the appointment of a Minister for AI to lead and coordinate these bodies, steering the way AI is implemented and deployed across the UK.

In 2018, the APPG AI has decided to focus on building a roadmap to understand the practical steps for addressing key AI implications. The group has prioritised six focus areas to explore and, through each Evidence Meetings, hopes to generate pragmatic solutions with clearly defined steps for how they can be reached.

Each meeting will explore the respective **economic, social, and ethical implications**.

Table 3 highlights the areas the meetings will focus on.

- Each meeting will invite 4-5 influential people from business, government organisations, regulation bodies, and academia.
- Their task will be to propose ways to address some of AI's complex issues, providing the group with suggested steps for how to get there and key stakeholders (organisations or people) to involve in the process.

Table 3: Evidence Meetings in 2018 (please be aware that dates/locations might change throughout the year)

AI TOPIC AREA	QUESTIONS TO INSPIRE	DATE	LOCATION
Evidence Meeting 1: DATA	-How do we ensure consumers are protected when it comes to data? -What do businesses/people need to do to prepare for GDPR? -How can the 'right to explanation' be enforced? Should it? -What should data governance structures look like?	22 January 2018 (5:30 – 7:00 pm)	Committee Room 1, House of Lords
Evidence Meeting 2: SKILLS	-What are the practical steps of putting AI into schools? -How can industry help in upskilling the workforce? -How do we protect groups who are in high risk of job automation?	26 February 2018 (5:30 – 7:00 pm)	Committee Room 2, House of Lords
Evidence Meeting 3: ACCOUNTABILITY	-How do we make ethics part of business decision-making processes? -How do we assign responsibility around algorithms? -What auditing bodies can monitor the ecosystem?	12 March 2018 (5:30 – 7:00 pm)	Committee Room 2, House of Lords
Evidence Meeting 4: INNOVATION & ENTREPRENEURSHIP	-How can companies/organisations lagging in innovation catch up? -How do we scale-up the AI	11 June 2018 (5:30 – 7:00 pm)	Boothroyd Room, Portcullis House

	<p>driven businesses? -What should be the role of the industry-led AI Council? -How can we use media to boost innovation?</p>		
<p>Evidence Meeting 5: INFRASTRUCTURE</p>	<p>-What physical and digital infrastructure do we need for a transforming AI society? -How can we ensure all regions across UK have access to top-notch AI infrastructure? -How do we make sure our infrastructure is secure against internal and external security threats?</p>	<p>9 July 2018 (5:30 – 7:00 pm)</p>	<p>Committee Room 4A, House of Lords</p>
<p>Evidence Meeting 6: TRADE</p>	<p>-How has AI changed trade internationally and within national borders? -How can industries shift their business models to adapt AI? -How do we shift from e-commerce to ai-commerce? What changes have to be made to UK taxing frameworks?</p>	<p>15 October 2018 (5:30 – 7:00 pm)</p>	<p>Committee Room 4A, House of Lords</p>
<p>Evidence Meeting 7: NEXT STEPS</p>	<p>-What are the practical steps of setting international rules, norms and standards? -What is our vision of the new AI and data driven world? - What does it mean to be human in 2025 and 2052? -Is the roadmap national or international?</p>	<p>5 November 2018 (5:30 – 7:00 pm)</p>	<p>Committee Room 4A, House of Lords</p>

4. Receptions and Dinners

In 2018, there will also be two Receptions (one Spring Party at Millbank Tower and one AI Christmas reception in Cholmondeley Room & Terrace) and four Futures Dinners in Parliament.

Table 4. Stakeholder Dinners

Type	Topic	Chair	Date	Location
Futures Dinner 1	Future of Jobs	Lord Clement-Jones	21 May 2018 (7:00 – 9:00 PM)	Attlee Room, HoL
Futures Dinner 2	Future of Finance	Lord Clement-Jones	29 October 2018 (7:00 – 9:00 PM)	Attlee Room, HoL
Futures Dinner 3	Future of AI and Blockchain	Stephen Metcalfe and Lord Clement-Jones	11 December 2018 (7:00 – 9:00 PM)	TBC

Table 5. Spring Party

Party	Spring Party	26 April 2018 (6:30 – 10:00 PM)	Millbank Tower
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Table 6. AI Christmas Reception

Reception	AI Christmas Reception	3 December 2018 (7:00 – 9:00 PM)	Cholmondeley Room & Terrace
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5. Advisory Board Meetings

There will be quarterly advisory board meetings to co-set strategy on topics and feedback on the output of activities:

Table 7: Advisory Board meetings (all held in Parliament)

2018	2019
<ul style="list-style-type: none"> • 22 January 2018 • 11 June 2018 • 15 October 2018 • 3 December 2018 	Dates: to be confirmed.

6. Advisory Board Members

Table 8: Ad-hoc Advisory Board guests (list not exhaustive)

Title	First Name	Last Name	Profession	Affiliation
Dr	Roberto	Desimone	Manager, Strategic Innovation (Disruptive Technologies)	BAE Systems Applied Intelligence
	Michael	Aikenhead	Partner	Cognitive Finance Group
	Clara	Durodie	CEO	Cognitive Finance Group
	Clive	Gringras	Head of Technology, Media and Telecommunications	CMS
	Rachel	Free	Patent Attorney	CMS
	Verity	Harding	Public Policy Manager	DeepMind
Professor	Demis	Hassabis	Founder and CEO	DeepMind
	Angus	Knowles-Cutler	Vice Chairman and London Senior Partner	Deloitte
	Laura	James	Technical Principal	Doteveryone
	Catelijne	Muller	Rapporteur on Artificial Intelligence, EU Advisor to the Board VCP	European Economic and Social Committee
	Azeem	Azhar	Chief	Exponential View
	Olly	Buston	CEO	Future Advocacy
	Miles	Brundage	AI Policy Research Fellow	Future of Humanity Institute, University of Oxford
	Allan	Dafoe	Research Fellow and Assistant Professor of Political Science at Yale University	Future of Humanity Institute, University of Oxford
Dr	Kate	Devlin	Department of Computing	Goldsmiths, University of London
	Mike	Hyde	Data Science Director	Google
	Martin	Skingle		GSK

	Lisa	De Bonis	Executive Digital Director, Cannes 2017 Juror	Havas London
Dr	Andy	Pardoe	Top 30 Global Influencer on AI, Leadership Council	homeAI
	Andy	Forrester	Director	HypeAccelerator Solutions Limited
	Kevin	Baughan	Deputy Chief Executive	Innovate UK
Dr	Julian	Huppert	Director	Intellectual Forum of the Jesus College, University of Cambridge
	Mike	Lynch	Founder	Invoke Capital
Dr	Stephen	Cave	Executive Director	Leverhulme Centre for the Future of Intelligence
	Abhijit	Akerkar	Head of Delivery, Bank of Future Pilot	Lloyds Banking Group
	Krishna	Sood	Senior Attorney	Microsoft
	Kumar	Jacob	CEO	Mindwave Ventures Limited
	David	Kelnar	Investment Director & Head of Research	MMC Ventures
	Husayn	Kassai	Co-Founder and CEO	Onfido
	Martin	de Heaver	Director	ORBIT
Professor	Richard	Susskind OBE	IT Adviser to the Lord Chief Justice, pioneer in AI and law	Oxford Internet Institute
Dr	Carl Benedikt	Frey	Director - Oxford Martin Programme on Technology and Employment	Oxford University
	Parry	Malm	CEO	Phrasee
	Euan	Cameron	UK Artificial Intelligence Leader	PwC
	Jon	Andrews	Head of Technology and Investment	PwC
	Stewart	Room	Global Data Protection Leader	PwC
Dr	Maria	Ioannidou	Lecturer in Competition Law	Queen Mary University London
	Ben	Taylor	CEO	RainBird Technologies
Professor	Peter	McOwan	Professor of Computer Science	School of Electronic Engineering and Computer Science at Queen Mary, University of London
	Alex	Housley	Founder and CEO	Seldon
Professor	Noel	Sharkey	Emeritus Professor of AI and Robotics, CoDirector Foundation for Responsible Robotics, Chair ICRAC, Public engagement	Sheffield University
Professor Sir	Gordon	Duff	Principal	St Hilda's College, University of Oxford
	Ankur	Modi	CEO	Status Today
	Sue	Daley	Head of Programme	TechUK
Dr	Mike	Short	Chief Scientific Advisor	Department for International Trade

	Calum	Chace	Author	'The Economic Singularity: Artificial intelligence and the death of capitalism'
	Dave	Raggett	W3C Lead	The Web of Things
Professor	Joanna	Bryson	Reader, Department of Computer Science, University of Bath, and Affiliate, Center for Information Technology Policy, Princeton University	University of Bath & Princeton University
Professor	Marina	Jirotko	Professor of Human Centred Computing	University of Oxford
Professor	Sandra	Wachter	Postdoctoral Researcher in Data Ethics and Algorithms	University of Oxford
Dr	Wendy	Hall	Professor of Computer Science	University of Southampton
Professor	Margaret	Boden	Research Professor of Cognitive Science (Informatics, Centre for Cognitive Science)	University of Sussex
Professor	Blay	Whitby	Teaching Fellow in Computer Science (Informatics)	University of Sussex
Dr	Alan	Winfield	Professor of Robot Ethics https://www.linkedin.com/in/alanwinfield/	University of the West of England
Professor	Mark	Skilton	Professor of Practice, Information Systems Management & Innovation	University of Warwick Business School
	Rodolfo	Rosini	Co-Founder and CEO	Weave.Ai
Professor	Kay	Firth-Butterfield	Project Head of AI and Machine Learning	World Economic Forum

7. Ad-hoc Workshops

Throughout the year, we will also partner with organisations and individuals to host ad-hoc workshops aimed to brief MPs and Peers on specific areas of AI. The workshops will include tangible output which the MPs can use in their constituencies to raise awareness and educate targeted groups (i.e. local schools, hospitals, etc.) on AI implications.

Please let us know if you would be interested in helping us organise such an event.

Table 9: Ad-hoc Workshops

Topic	Key Partner	Description	Date/Location
Build Your Own Neural Network	NVIDIA	An interactive, one-hour briefing for MPs and Peers to engage directly with AI and receive tangible output which they can use in their constituencies.	28 February 2018

8. Time table summary

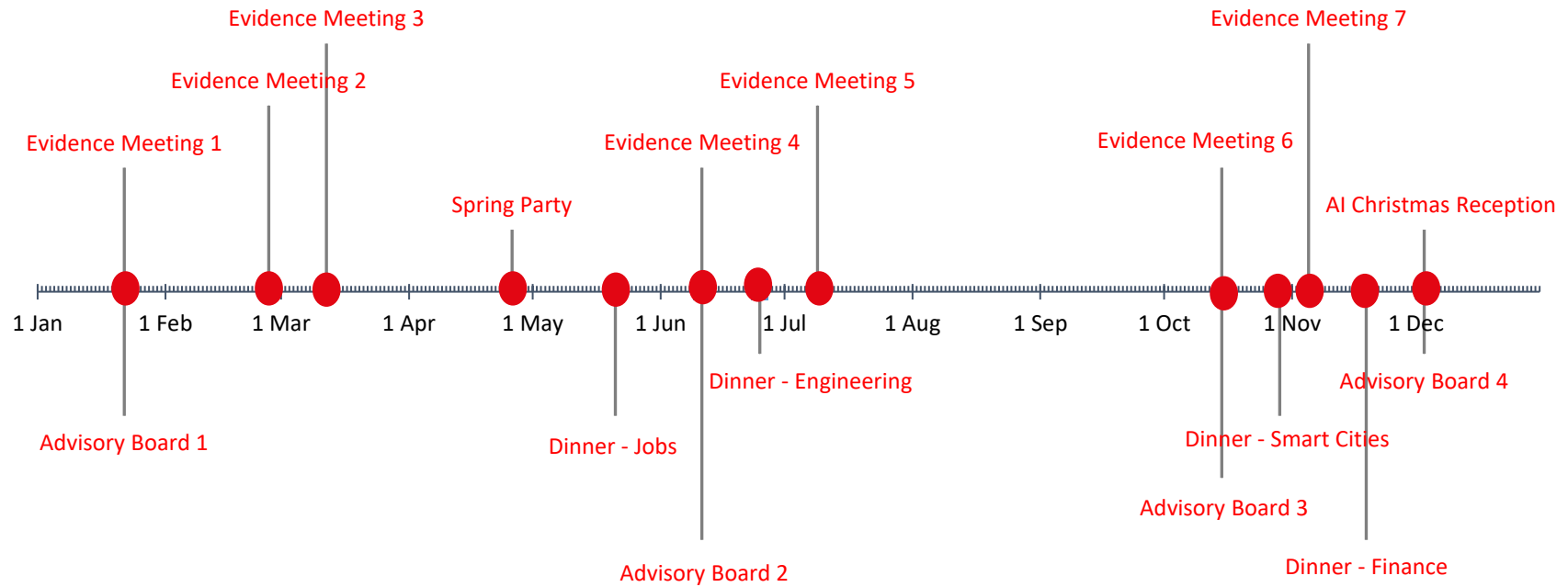


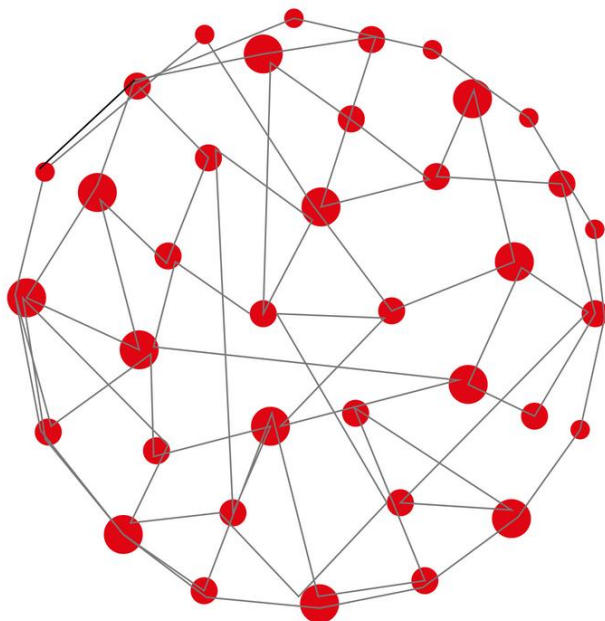
Table 10: Time Table summary for 2018 (to be updated as applicable)

Date	Time (PM)	What meeting	Type	Venue
22-Jan-18	4:30 - 5:30	Advisory Board Meeting 1	Board Meeting	Houses of Parliament (CR1, HoC)
22-Jan-18	5:30 – 7:30	Evidence Meeting 1: DATA	Evidence Meeting	Houses of Parliament (CR1, HoC)
26-Feb-18	5:30 – 7:30	Evidence Meeting 2: SKILLS	Evidence Meeting	Houses of Parliament (CR2, HoL)
12-Mar-18	5:30 – 7:30	Evidence Meeting 3: ACCOUNTABILITY	Evidence Meeting	Houses of Parliament (CR2, HoL)
26-Apr-18	6:30 - 10:00	Spring Party	Party	Millbank Tower
21-May-18	7:00 – 9:00	Future of Jobs	Dinner	Houses of Parliament (Attlee Room, HoL)
11-Jun-18	4:30 – 5:30	Advisory Board Meeting 2	Board Meeting	Houses of Parliament (Boothroyd Room, Portcullis)
11-Jun-18	5:30 - 7:00	Evidence Meeting 4: INNOVATION & ENTREPRENEURSHIP	Evidence Meeting	Houses of Parliament (Boothroyd Room, Portcullis)
9-Jul-18	5:30 - 7:00	Evidence Meeting 5: INFRASTRUCTURE	Evidence Meeting	Houses of Parliament (CR4, HoL)
15-Oct-18	4:30 - 5:30	Advisory Board Meeting 3	Evidence Meeting	Houses of Parliament (CR4, HoL)
15-Oct-18	5:30 - 7:00	Evidence Meeting 6: TRADE	Evidence Meeting	Houses of Parliament (CR4, HoL)



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29 – Oct - 18	7:00 – 9:00	Future of Finance	Dinner	Houses of Parliament (Attlee Room, HoL)
5-Nov- 18	5:30 - 7:00	Evidence Meeting 7: NEXT STEPS	Evidence Meeting	Houses of Parliament (CR4, HoL)
03- Dec- 18	6:00 – 7:00	Advisory Board Meeting 4	Board Meeting	Houses of Parliament (Cholmondeley Room & Terrace)
03- Dec- 18	7:00 – 9:00	AI Christmas	Reception	Houses of Parliament (Cholmondeley Room & Terrace)
11- Dec- 18	7:00 – 9:00	Future of AI and Blockchain	Dinner	TBC



For enquiries or further information on the APPG AI

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