



ANGLO-ISRAEL ASSOCIATION

27TH FEBRUARY 2018

The 9th AMBASSADORS' ROUND TABLE



The late Brigadier General Sir Wyndham Deedes, the first Chief Secretary to the British High Commissioner for Palestine, founded the Anglo-Israel Association in 1949, just a year after the establishment of the State of Israel. The Association is an independent charity that enjoys the active support of people of different faiths and across the political spectrum. The Association's primary purpose is to promote wider understanding of Israel in the UK; to encourage exchanges between both countries at every level and generally to support activities which foster goodwill between British and Israeli citizens.



**THE AIA 9TH AMBASSADORS' ROUNDTABLE
ON ARTIFICIAL INTELLIGENCE**

ROYAL SOCIETY

6-9 CARLTON HOUSE TERRACE, LONDON SW1Y 5AG

27TH FEBRUARY 2018



PROGRAMME

9:30 Registration and coffee

10:00 Welcome address – Lord Bew, Chairman of the AIA

Opening: Tony Kay, Deputy Ambassador, British Embassy, Tel Aviv

HE Mark Regev, Ambassador, Embassy of Israel, London

10:15-11:30 Session I:

Deep Learning

Neural Network Models: Why do they work?

What is the right architecture?

What are more biologically plausible models?

Chair: Dr Marc Deisenroth, Imperial College London

Speakers: Uzy Hadad, CDO, ControlUp

Dr. Margarita Osadchy, University of Haifa

Professor Fabio Cuzzolin, Oxford Brookes University, Oxford

11:30-11:45 Coffee break

11:45- 13:00 Session II

Dialogue Systems

Can we build machines that naturally converse with humans?

Machine Vision: Can we build machines that see as humans see?

Chair: Professor Edwin Hancock, University of York

Speakers: Kobi Freedman, CEO & Co-Founder IDRRA, Israel.

Yair Weiss, Professor, School of Computer Science and Engineering,
Hebrew University of Jerusalem, Israel.

Kevin Warwick, Deputy Vice-Chancellor (Research) at Coventry University.

13:00-14:00 Lunch

14:00-16:00 Session III

AI Uses and the digital skills gap in

Education, Manufacturing, Banking, Health care, Retail

Chair: Baroness Neville-Jones, Science and Technology Committee, House of Lords

Speakers: Rose Luckin, Professor of Learner Centred Design at UCL, Knowledge Lab
Ben Reuveni, CEO of Workey, Israel.

Chair: Tony Kay, British Deputy Ambassador

Dona Haj, Head of London Office, UK Israel Tech Hub, British Embassy, Tel Aviv

Insurance: Anthony Beilin, Global Head of Innovation, Aviva Innovation
Ofri Ben Porat, CEO and Co-founder of Pixoneye

Banking: Roshan Rohatgi, Senior digital Innovation Lead, RBS
Nick Pegram, Head of Bold360ai, NanoRep

16:00-16:35 Session IV

Shifting away from supervised learning

Developing methods that use unlabeled data

Learning from interacting with the environment

Chair: Kobi Freedman

Speaker: Ariel Shoham, Entrepreneur in residence, Amdocs,
Co-Founder of Smart Sparrow, Israel

16:35 Tea break

16:50-18:30 Session V

Ethics in an AI driven world

Fairness, transparency, trust, privacy

Chair: Sue Daley, Head of Programme Cloud, Data Analytics & AI tech UK,

Speakers: Yoram Hacohen, Founder Hacohen & Co Law firm, CEO of Israel Internet Association
Adrian Weller, Programme Director for Artificial Intelligence, The Alan Turing Institute.
David Benigson, CEO and founder of Signal Media.
Birgitte Andersen, CEO and Co Creator Big Innovation Centre.

18:30 Keynote

Chair: Danny Kessler, Managing Partner The MET Group

Speakers: Professor Yoav Shoham, Professor of Computer Science, Stanford University.

Drinks reception



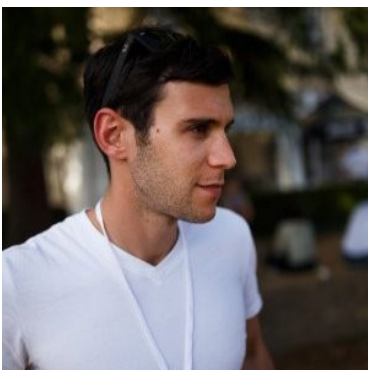
BIRGITTE ANDERSEN

CEO and CoCreator. Big Innovation Centre

Professor Birgitte Andersen (PhD Economics) is CEO of Big Innovation Centre (co-founder with Will Hutton in 2011) - a London based open innovation hub of global companies, world-class universities and public agents to re-balance and grow the global economy.

Birgitte is an international expert in business innovation, IP governance and the intangible economy. During the internet boom, Birgitte launched and ran (2000 to 2010) probably London's biggest interdisciplinary postgraduate programmes on E-Commerce and Business Innovation at University of London (Birkbeck College), where she holds the title Professor of Economics and Management of Innovation. She has led several pan EU programmes on markets for IP and intangible assets and has advised economists and policy makers of national governments in and beyond Europe including OECD, UN and WIPO; and large firms.

Birgitte serves as an expert defence witness in the UK courts on matters of IP use on the Internet. She was the Rapporteur for the EU Commission representing the EU Expert Group on Knowledge Transfer and Open Innovation, and currently sits on the EU Expert Advisory Panel for Horizon 2020 - Societal Challenge: Europe in a Changing World – Inclusive, Innovative and Reflective Societies. With Big Innovation Centre team, she currently leads the Secretariat for three All Party Parliamentary Groups on 'Artificial Intelligence', 'The 4th Industrial Revolution' and 'Blockchain'.



ANTHONY BEILIN

Global Head of Innovation, Aviva

Anthony is Global Head of Innovation at Aviva, where he is focused on building new customer propositions and products leveraging the latest emerging technology and working in conjuncture with early stage ventures and start-ups. Previously he was Founder & COO at unBound Media which was acquired by Hearst in 2016.



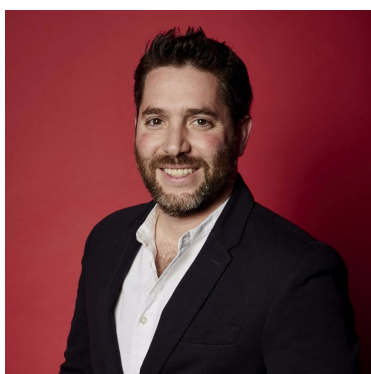
DAVID BENIGSON

After working for the Jamie Oliver Group, David Benigson founded Signal in 2012. His belief was that artificial intelligence would change the way businesses everywhere accessed information.

Since then, David has led Signal through multiple rounds of funding as the company has grown totalling £7.6m. The latest - a £5.8m fundraising announced in December 2016 - saw firms including MMC Ventures and Hearst Ventures invest in Signal.

In January, David was named as part of Forbes' 30 Under 30 Europe list for 2017 (Media category), pinpointing the entrepreneurs and leaders who are changing their industries.

Signal has won numerous awards including KTP Best Partnership 2015 and Bloomberg Business Innovators 2016.



OFRI BEN PORAT

Ofri Ben Porat is CEO and co-founder of Pixoneye. His previous positions include consulting for Waze, and working for the Israel Ministry of Tourism, where he served as the senior strategic advisor to the minister, and as the head of the digital and OOH marketing departments. He grew up on three continents, and after serving as a Captain in the IDF, studied conflict resolution and crisis diplomacy at the prestigious IDC Herzliya in Israel. During his studies, Ofri launched his career as an entrepreneur by opening his own gastropub and restaurant as well as founding the online student services website bring-it.co.il, cutting his teeth as the CEO of a tech company. His skills were quickly snapped up by the Israel Ministry of Tourism. It was during this time that Ofri met Nadav, they had their big idea, and decided to found Pixoneye.

He now lives in London where he moved to build the company's HQ and commercial team.



FABIO CUZZOLIN

Prof Fabio Cuzzolin received a magna cum laude 'laurea' degree in Computer Engineering from the University of Padua, Italy in 1997. He was awarded a Ph.D. degree for the thesis "Visions of a generalized probability theory" by the same institution in 2001. After conducting research at Politecnico di Milano, the Washington University in St. Louis, the University of California at Los Angeles, and INRIA Rhone-Alpes, France, he joined Oxford Brookes University in 2008. He is currently a Professor of Artificial Intelligence and the Head of the Artificial Intelligence and Vision research group there, and an Associate member of Oxford University's Torr Vision Group.

Dr Cuzzolin's research interests include uncertainty theory, machine learning, and computer vision. He is a world expert in the theory of random sets, to which he has contributed a general geometric approach recently published in two Lambert and Springer monographs. His team works at the boundary of human action recognition, conducting pioneering investigations into prediction of future events and a theory of mind for visual machines, as well as statistical learning theory. He is currently the author of around 100 peer-reviewed publications, some of which won awards in the past. He was the Program Chair of the 3rd International Conference on Belief Functions, Associate Editor of various journals including the IEEE Transactions on Fuzzy Systems, and served in the PC of more than 70 international conferences including the top venues in artificial intelligence.



KOBI FREEDMAN

Kobi Freedman is a global cybersecurity expert and a serial entrepreneur in the cyber arena. Kobi is currently the founder and CEO of IDRRA - aiming to automate the cybersecurity consulting space. Kobi is also involved in various cybersecurity companies as investor and advisor and until lately was Co-Founder and CEO of Comilion (acquired by DELL-EMC), provider of the world's first security intelligence sharing and secure collaboration platform for regulated and highly sensitive industries.

Kobi has been immersed in the cyber security arena for over 15 years, first in the Israeli Defense Forces and then working with private sector companies in the financial, industrial, aviation, transportation and military sectors.

Kobi participates and advise in numerous Israeli and global policy work groups that set standards for cyber defense and security innovation.

Kobi holds a Masters degree in Law as well as Masters and Bachelor in Industrial engineering.



YORAM HACOHEH

Yoram Hacoheh is the CEO of the the Israeli Internet Association (ISCO-IL) since 2015. Prior to his term at ISOC-IL, Yoram was a senior research fellow at the Institute for National Security Studies (INSS) where he researched national security aspects of Cyber, Big Data, Technology and Law.

In 2006 attorney Hacoheh was appointed by the Israeli government to establish and lead the Israeli Law, Information and Technology Authority (ILITA) - Israel's data protection authority. As head of ILITA, Mr. Hacoheh served as the national regulator for data protection and e-privacy, for credit information bureaus, and for certification authorities for electronic signatures.

Under his leadership, the ILITA became a modern technology-focused data protection authority, and the law & technology knowledge center for the Israeli public administration. During his term as head of ILITA Hacoheh led various technological cyber privacy enforcement actions, and participated in the process of establishing Israel's cyber security framework. His term as head of ILITA ended in April 2013.

As Head of ILITA Yoram represented Israel at various international fora as head of the Israeli delegation to ICCP and WPISP committees of the OECD and lead of the process vis-à-vis the European Commission in which Israel was declared as having an adequate data protection regime according to Directive 95/46/EC requirements.

Attorney Hacoheh is a member of the Israeli Bar Association since 1992. He received Bachelor of Laws degree (L.Lb) from the Hebrew University in Jerusalem and a MBA from the Recanati School of Management at Tel Aviv University (Com Laude). Yoram was one of the founders of the Haifa Center for Law and Technology, and taught courses in leading Israeli universities about electronic evidence and computer crimes, legal aspects of e-commerce, and hi-tech entrepreneurship. Yoram served during the 80's as an Intelligence officer (rank: Major) in the Israeli Air Force.

Mr. Hacoheh has a long history of data security and electronic publishing entrepreneurship. He established Israel's first PKI certification authority for digital signatures, and founded and served as editor in chief in CDI System, an electronic publishing vendor that e-published legal information using sophisticated search engine ("Takdin"). He was a CEO of a start-up that developed technologies to e-publish music notes, and a consultant on law & technology matters for public and private sectors.



UZY HADAD

Uzy Hadad founded the R&D team of VisualDNA (acquired by Nielsen) in Israel and east Europe, and has been its Chief Technology.

He is a machine learning and big data expert with extensive knowledge and hands-on experience with building scalable distributed learning systems.

Some of these system include DMP systems for inferring and storing information on billions of user profiles, e-commerce recommendation engines, analysis and fraud detection systems, ad analysis and biometric identifications.

Uzy is adjunct lecturer in Tel-Aviv academic college teaching various courses in applications of deep learning and big data analytics for graduate students.

Uzy holds a PhD in Mathematics and Computer Science from the Hebrew university. He published in world-leading journals as a subject matter expert in mathematics and computer science.



ROSE LUCKIN

Rose Luckin is Professor of Learner Centred Design at UCL Knowledge Lab in London. Her research involves the design and evaluation of educational technology using theories from the learning sciences and techniques from Artificial Intelligence (AI). She has a particular interest in using AI to open up the 'black box' of learning to show teachers and students the detail of their progress intellectually, emotionally and socially.

Rose is also Director of EDUCATE: a London hub for Educational Technology StartUps, researchers and educators to work together on the development of evidence-informed Educational Technology. Rose has published numerous academic articles in journals and has authored 2 monographs and 2 edited collections. She is also lead author of Nesta's influential 'Decoding Learning' report published in 2012 and Pearson's Unleashing Intelligence, published in 2016.

Rose holds an International Franqui Chair at KU Leuven and was named on the Seldon List 2017, as one of the 20 most influential people in Education. She is a UFI charity trustee, a governor and trustee of St Paul's school in London, a governor of the Self-Managed Learning College in Brighton and a member of the Cambridge University Press Syndicate (ELT & Education Publishing Committee). She has taught in the state secondary, Further Education and Higher Education sectors, and she was previously Pro-Vice Chancellor for Teaching and Learning at the University of Sussex.



MARGARITA OSADCHY

Dr. Rita Osadchy is a Senior Lecturer at the Department of Computer Science at the University of Haifa. Her main research interests are machine learning, deep learning, computer vision, and cyber security. She was one of the pioneers of deep learning and her work on secure computation of face identification won a Best Paper Award in IEEE Symposium on Security & Privacy.

Margarita has been a PI on many projects, including grants from the Israeli Ministry of Science, Israeli Science Foundation (ISF), Israel's Department of Defense Research & Development (MAFAT), and Israeli Ministry of Industry and Trade (MAGNET program). Furthermore, Margarita is a member of the scientific steering committee of the Center

for Cyber Law and Policy at the University of Haifa.

Previously, she was a visiting research scientist at the NEC Research Institute and a postdoctoral fellow in the Department of Computer Science at the Technion-Israel Institute of Technology. She received her PhD with honours in computer science from the University of Haifa.



NICK PEGRAM

Having spent the last 10 years with an AI startup specialising in 'digital customer service', Nick has seen technology transitions from simple NLP/intelligent search capabilities evolve into conversational bots driving a 'personalized' experience. Part of the leadership team for Europe, Nanorep is well recognised NLP/AI Digital Self-Service chatbot platform which pioneered the 'AI in a box' for companies such as Vodafone, RBS, Ao.com, ING Bank and Thomas Cook. Since the acquisition last August by LogMeIn INC, Nick is now head of a division called bold360ai across the EMEA region. This solution is made up of both Digital Self-Service and human (Live chat) technologies, hence the theme of his presentation.



BEN REUVENI

Ben co-founded Workey in 2015, with the vision and passion of bringing data science to the recruitment world, helping candidates and employers meet faster and smarter. Ben was a team leader in the elite technological intelligence unit (8200) in the IDF, where he developed his entrepreneurial and technological prowess as well as at XIV, a storage startup acquired by IBM. Ben is a people person, with a special knack for turning visions into reality, through his technical and managerial expertise. Ben holds a B.Sc. in Computer Science from the Interdisciplinary Center (IDC), Herzliya and is the CEO and Co-founder of Workey.”



ROSHAN ROHATGI

Roshan Rohatgi is a senior member of the RBS Innovations and Solutions team focusing predominantly on the search and qualification of Machine Learning and cognitive solutions that have potential for bank-wide implementation. Roshan brings a great deal of experience in entrepreneurship, strategy and execution to RBS having previously run two technology start-ups in the UK and working as a bond trader at two top tier U.S. Investment banks.

He holds an MBA from INSEAD (France, Singapore, USA).



ARIEL SHOHAM

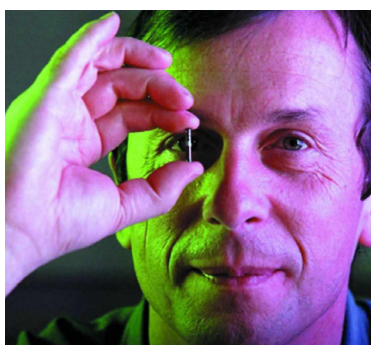
Ariel Shoham, LLB, MBA is a co-founder at Smart Sparrow - the world’s first personalized learning platform. During the last five years in Australia, Ariel engaged the academic medical community and led the foundation of BEST Network - the world’s first “Teaching Network” providing educators with end-to-end solutions in bio-medical education. Ariel is an Ed-Tech innovator and evangelist that inspired thousands of academics to rethink the way they teach, and use learning data to grow and improve. Before joining Smart Sparrow, Ariel led the foundation of an International Cyber Crime investigation Unit in the Israeli Ministry of justice, winning both the National Israeli Civil service appreciation award and the Ministry of Justice “Best team” excellency award for his team’s work.

Ariel is a Tech innovator with over 20 years of overall software experience in Banking, finance, BI and Information architecture. Member of the Israeli BAR, Co-founder of Zoomix Data Mastering acquired by Microsoft. Ariel is actively involved in the Israeli startup scene, currently providing entrepreneurial mentoring and guidance in various domains.



YOAV SHOHAM

Yoav Shoham is Professor (emeritus) of Computer Science at Stanford University, and a serial entrepreneur. A noted authority on artificial intelligence (AI), he has written several books and hundreds of scientific articles. Shoham is Fellow of the ACM, AAAI and the Game Theory Society. Among his awards are the AAAI/ACM Allen Newell award, the ACM SIGART Agents Research award, and the AAAI Feigenbaum prize. His online courses (with Jackson and Leyton-Brown) on game theory have been seen by over half a million students. The companies he co-founded include TradingDynamics (ARBA), Katango (GOOG), Timeful (GOOG), and AI21. He also chairs the steering committee of the AI Index (Alindex.org).

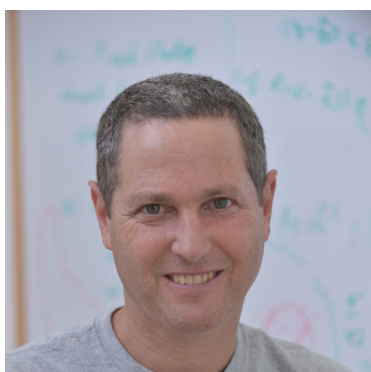


KEVIN WARWICK

Kevin Warwick is Emeritus Professor at Reading and Coventry Universities. Prior to that he was Deputy Vice Chancellor (Research) at Coventry University, England. His main research areas are artificial intelligence, biomedical systems, robotics and cyborgs. Due to his research as a self-experimenter he is frequently referred to as the world's first Cyborg. Kevin was born in Coventry, UK and left school to join British Telecom. He took his first degree at Aston University, followed by a PhD and research post at Imperial College London. He held positions at Oxford, Newcastle, Warwick and Reading Universities before joining Coventry.

Kevin is a Chartered Engineer who has published over 600 research papers. His experiments into implant technology led to him being featured as the cover story on the US magazine, 'Wired'. He achieved the world's first direct electronic communication between two human nervous systems, the basis for thought communication. Another project extended human sensory input to include ultrasonics. He also linked his nervous system with the internet in order to control a robot hand directly from his neural signals, across the Atlantic Ocean.

He has been awarded higher doctorates (DSc) by Imperial College and the Czech Academy of Sciences, Prague. He has also been awarded 9 Honorary Doctorates. He received The IEE Senior Achievement Medal, the IET Mountbatten Medal and the Ellison-Cliffe Medal from the Royal Society of Medicine. In 2000 Kevin presented the Royal Institution Christmas Lectures and in 2017 he presented the Paul B. Baltes Lecture at the Berlin-Brandenburg Academy of Sciences and Humanities.



YAIR WEISS

Yair Weiss is a Professor at the Rachel and Selim Benin School for Computer Science and Engineering at the Hebrew University. For the last four years

he is also serving as Dean of the School. He received his PhD from the Massachusetts Institute of Technology in 1998, did postdoctoral work

at UC Berkeley and joined the faculty of the Hebrew University in 2001. His research interests include Human and Machine Vision, Neural Computation and Machine Learning. He served as the Program Chair of the 2004 Neural Information Processing Systems conference and is currently one of the Program

Chairs of the European Conference on Computer Vision 2018. Together with his students and colleagues he has received Best Paper Awards at ECCV, CVPR, NIPS and UAI. He has also received the Michael Bruno Memorial Award and is a Senior Fellow of the Canadian Institute for Advanced Research.



ADRIAN WELLER

Adrian Weller is the Programme Director for AI at The Alan Turing Institute, the national institute for data science and AI. He is also a Senior Research Fellow in Machine Learning at the University of Cambridge, and at the Leverhulme Centre for the Future of Intelligence (CFI) where he leads a project on Trust and Transparency. He is very interested in all aspects of artificial intelligence, its commercial applications and how it may be used to benefit society. Previously, Adrian held senior roles in finance. He received a PhD in computer science from Columbia University, and an undergraduate degree in mathematics from Trinity College, Cambridge.

ANGLO-ISRAEL ASSOCIATION

PO BOX 47819, LONDON NW11 7WD

T: 020 8458 1284

F: 020 8458 3484

E: INFO@ANGLOISRAELASSOCIATION.COM

WWW.ANGLOISRAELASSOCIATION.COM

FOLLOW THE ANGLO-ISRAEL ASSOCIATION ON FACEBOOK AND TWITTER AT:



facebook.com/AngloIsraelAssoc/



[@AngloIsraelAssn](https://twitter.com/AngloIsraelAssn)