#2 N100 Expert Panel - Bios

Daniel Bagge

Daniel Bagge is a strategist and was the Director of Cyber Security Policies Department, National Cyber and Information Security Agency. In this capacity he was responsible for the implementation of the National Cyber Security Strategy, as well as overseeing the process of Critical Information Infrastructure Protection of the country. He dealt with the conceptualization of threats and policies on both the national and the international level. Since 2013, he has worked as the Secretary of the Cyber Security Council, chaired by the Prime Minister of the Czech Republic. He is regularly invited to speak at cyber security events around the world.

Shmuel Bar

Dr. Shmuel Bar is founder and CEO of IntuView Ltd – an Israeli based software company that has developed an integrated semantics-driven platform for full-automated real-time analysis and "meaning mining" of unstructured textual documents in various languages, including idea extraction, summarization, entity extraction/resolution and name matching through automated emulation of the intuition and knowledge of seasoned subject experts. Dr. Bar is also a Senior Research Fellow at the Shmuel Neaman Institute at the Technion, Haifa and a Senior Research Fellow at the International Institute for Non-Proliferation Studies, an Adjunct Fellow at the Hudson Institute and has been (2007) Distinguished Koret Visiting Fellow at the Hoover Institution at Stanford University. Dr. Bar served for thirty years in various positions in the Israeli Office of the Prime Minister, Israel. Since the mid 1980's he specialized in the ideology and operational codes of Islamic fundamentalist movements and particularly of the Jihadi movement that later evolved into al-Qaeda. Between 1998-2002 Dr. Bar served as First Secretary at the Israeli Embassy in The Hague, Netherlands and in that capacity liaised with government agencies in the UK.

Reid Blackman

Reid Blackman is the author of the book Ethical Machines and Founder and CEO of Virtue, an AI ethical risk consultancy. He has also been a Senior Advisor to the Deloitte AI Institute, a Founding Member of Ernst & Young's AI Advisory Board, and volunteers as the Chief Ethics Officer to the non-profit Government Blockchain Association. Reid's expertise is relied upon by Fortune 500 and Global 1000 companies to speak to and educate their people and to guide them as they create and scale AI ethical risk programs.

Frederick Bordry

Frederick Bordry served as the director for Accelerators and Technology at CERN until December 2020. He is an electrical engineer who has spent years teaching and conducting energy conversion research. Bordry came to CERN in 1986, joining the group working on power converters for the Large Electron-Positron Collider (LEP). In 2009, Bordry was promoted to Head of the CERN Technology Department - responsible for technologies specific to existing particle accelerators, facilities and future projects – where he remained until 2013. From 2014 he acted as the Director for Accelerators and Technology, where he is responsible for the operation and exploitation of the whole CERN accelerator complex, with particular emphasis on the LHC and for the development of new projects and technologies.

Piotr Brodka

Piotr Brodka is an Associate Professor at the Department of Artificial Intelligence, Wroclaw University of Science and Technology. He was a Visiting Scholar at Stanford University in 2013 and Visiting Professor at the University of Technology Sydney in 2018 and 2019, and has authored over 70 scholarly and research articles on a variety of areas related to complex networks and computational network science, focusing on the extraction and dynamics of communities within social networks, spreading processes in complex networks and the analysis of multilayer networks. He received a three years scholarship in 2015 for the best young scientists awarded by the Polish Ministry of Science and Higher Education. In 2020, Piotr was selected as Senator to the Wrocław University of Science and Technology Senate.

Ana Chubinidze

Ana Chubinidze is a founder of non-profit organization AI Governance International and independent consultant in the field of AI Ethics and Governance. She is also a founding editorial board member of Springer Nature's AI and Ethics journal. Ana worked for Big 4 consulting firms in AI Governance. Prior to that researched foresight regulations for Artificial Intelligence with the project Regional Academy of the United Nations. Her academic background is in international relations with a focus in international law and economics; non-academic interests in Data Science and neuroscience. Ana is passionate about engaging various disciplines in AI development and unleashing its best potentials to serve everyone on earth.

Tony Curzon Price

Tony Curzon-Price is the Senior Advisor at the UK Cabinet Office (which supports the Prime Minister and ensures the effective running of government). Before this, he was the Economic Advisor to the Rt Hon Greg Clark MP, Secretary of State for Business, Energy, and Industrial Strategy. He worked closely on the elaboration of the UK's Industrial Strategy White Paper, as well as on government responses to GAFA, climate change policy and competition and consumer policy. He has previously worked for the Financial Conduct Authority and the Competition and Markets Authority. He founded Arithmatica, a Silicon Valley design company, and spent five years building the company in the Bay Area. He was also editor-in-chief of the UK political website openDemocracy, where he transformed openDemocracy into a not-for-profit editors' cooperative for comment, analysis and investigation. He wrote his PhD on game theory and market design with Ken Binmore at UCL.

Sebastian Hallensleben

Dr Sebastian Hallensleben is the Chair of CEN-CENELEC JTC 21 where European AI standards to underpin EU regulation are being developed, a member of the Expert Advisory Board of the EU StandICT programme and Chair of the Trusted Information working group. He co-chairs the classification and risk assessment working group in OECD ONE.AI and has roles in AI committees at IEC, Council of Europe and UNESCO. Sebastian heads Digitalisation and Artificial Intelligence at VDE Association for Electrical, Electronic and Information Technologies where he is responsible for new product and service development as well as for giving advice and developing frameworks for the German parliament and several federal ministries as well as the European Commission. He focuses in particular on AI ethics, on handling the impact of generative AI, building privacy-preserving trust infrastructures as well as characterizing AI quality. – Earlier, Sebastian Hallensleben worked on dialog facilitation between academia, industry and policymaking (e.g. in the context of federal research foresight) and in international infrastructure project development for waste, energy and drinking water.

Merve Hickok

Merve Hickok is the founder of AIethicist.org and Lighthouse Career Consulting. She is a social researcher, independent consultant and trainer on AI & data ethics and AI policy. Through her work on AI & fundamental rights, bias, social justice, and governance, she aims to create awareness, build capacity, and advocate for ethical and responsible development & use of AI. Merve's work intersects both AI ethics and AI policy and regulation. She has been recognized by a number of organizations - most recently as one of the 100 Brilliant Women in AI Ethics in 2021. Merve has over 15 years of VP level global experience in Fortune 100, with particular focus on HR technologies, recruitment and DE&I. She is a SHRM Certified Senior HR Professional and Career Coach certified by Neuroleadership Institute. Merve also works with a Nevada-based social enterprise, High Sierra Industries, focused on learning systems for individuals with intellectual disabilities. She manages IT and software projects, acts as the organization's HIPAA privacy and security officer, and leads all the business process improvement initiatives.

Florian Kerschbaum
Associate professor in the David R. Cheriton School of Computer Science at the University of Waterloo (since 2017), a member of the CrySP group, and NSERC/RBC chair in data security (since 2019). Before he worked as chief research expert at SAP in Karlsruhe (2005 – 2016) and as a software architect at Arxan Technologies in San Francisco (2002 – 2004). Florian holds a Ph.D. in computer science from the Karlsruhe Institute of Technology (2010) and a master's degree from Purdue University (2001). He served as the inaugural director of the Waterloo Cybersecurity and Privacy Institute (2018 – 2021). An ACM Distinguished Scientist (2019) and a winner of the Outstanding Young Computer Science Researcher Award from CS-Can/Info-Can (2019). Interested in security and privacy in the entire data science lifecycle. Florian extends real-world systems with cryptographic security mechanisms to achieve (some) provable security guarantees. His work is used in several business applications.

Nestor Maslej
Nestor Maslej is a research associate at the Stanford Institute for Human-Centered AI (HAI). He has completed a Bachelor's degree from Harvard in Social Studies and a Master of Philosophy (MPhil) from Oxford University.

Radoslaw Michalski
Associate professor at Wrocław University of Science and Technology (Poland), Faculty of Information and Communication Technology. His research is conducted at the Department of Artificial Intelligence, where it mainly focuses on computational social science / social network analysis, in particular: diffusion processes in social networks (e.g. social influence), temporal networks, recently also data streams, machine learning for analysing above mentioned phenomena, blockchain solutions and analysis.
He earned his PhD degree in Computer Science in 2014, and Habilitation (D.Sc.) in Information and Communication Technology in 2022. Member of a Data Science Group at Wrocław University of Science and Technology. In 2017 he established and since that time leads BERG - Blockchain Exploration Research Group that is doing research on blockchain understood as a complex network. He actively works on developing the sci·cup platform that enables data scientists to participate in data-driven contests organized by companies.

Tomas Mikolov
Internationally recognized capacity in artificial intelligence research, who has worked to improve the Google translator, among other things. His arrival at CIIRC ČVUT was also possible thanks to the project of the new RICAIP center, by which CIIRC ČVUT, together with partners from the Czech Republic and Germany, wants to strengthen its role in the European field of artificial intelligence and robotics research for advanced industry. Tomáš Mikolov is known to the scientific community and the general public mainly for his leap improvement in the functioning of language recognition and processing applications, such as the Google machine translator. He succeeded in creating new models of neural networks that significantly surpassed previous approaches to language modeling. The improvements that have taken place in the field of natural language processing have been the greatest in the last few decades. At the beginning of 2019, he won the Neuron Award for Significant Discovery in Computer Science.

Gianluca Misuraca
Gianluca Misuraca is Senior Scientist at the European Commission's Joint Research Centre, where he coordinates research in the area of Digital governance and Social Innovation. He is currently leading research in the area of Digital Governance and Artificial Intelligence in the Public Sector. Before joining the European Commission, Gianluca was the Managing Director of the Executive Master in eGovernance at the Ecole Polytechnique Fédérale de Lausanne (EPFL). During his career he held several positions as policy advisor for different International Organizations, including the United Nations General Secretariat, Department of Economic and Social Affairs, various cooperation agencies and consulting in the area of Public Sector Reform, eGovernment, regional development, research and innovation.

Cathy Mulligan

Cathy Mulligan is a professor of Computer Science at the Instituto Superior Técnico at the University of Lisbon. She is also the director of the newly established lab, DCentral.

Cathy combines her 25 years of real-world industrial experience and research in both technology and digital economics with her experience working in several Director and Executive level Technology (CTO) roles, to deliver on the promise of digital technologies in a fair and equitable manner for everyone in society. She is a regular public speaker, writer and commentator on Data, Cryptocurrencies and the broader social impact of digital technologies and is sought after for input and advice on a variety of technologies.

Florian Neukart

Dr. Florian Neukart is the Chief Product Officer at Terra Quantum. Prior to joining Terra Quantum, Florian was the Director of Volkswagen Group's Data Lab – an innovation center focusing on artificial intelligence and quantum computing research and development along Volkswagen Group's value chain – which he helped establish from 2014 onwards. In addition, he founded and was the Director of the Advanced Technologies Group at Volkswagen Group Region Americas in San Francisco, where he orchestrated several research efforts related to quantum computing, artificial intelligence, and energy technologies. Before, he held various management and research positions in industry, academia, and consulting. Florian is also an assistant professor at the Leiden Institute of Advanced Computer Science teaching quantum computing, is on multiple advisory boards and committees focusing on advanced technology and its impact on society, and authored books on artificial intelligence and energy. He is a member of the World Economic Forum's Future Council on Quantum Computing, in the Board of Trustees of the International Foundation of Artificial Intelligence and Quantum Computing, a co-author of Germany's National Roadmap for Quantum Computing, and on the Advisory Board of Quantum.Tech.

Tamer Ozsu

Dr. Tamer Ozsu is a Professor at the David R. Cheriton School of Computer Science at the University of Waterloo. His research is on data management following two threads: large-scale data distribution, and management of non-traditional data (i.e., non-relational data). Currently, I am focusing on graph data and RDF data. Previously, he studied object systems, image, video, XML data, and their management in a distributed environment. He is a Fellow of the Royal Society of Canada, the American Association for the Advancement of Science (AAAS), the Association for Computing Machinery (ACM), of the Institute of Electrical and Electronics Engineers (IEEE), an elected member of the Science Academy of Turkey, and a member of Sigma Xi. I was awarded the ACM SIGMOD Test-of-Time Award in 2015 (with Lei Chen and Vincent Oria), the ACM SIGMOD Contributions Award in 2006, and The Ohio State University College of Engineering Distinguished Alumnus Award in 2008. He currently serves on several technical advisory boards for Universities and Technical Institutes in Hong Kong.

Tim Palmer

Tim Palmer is a Royal Society Research Professor in Climate Physics, and a Senior Fellow at the Oxford Martin Institute. He was involved in the first five IPCC assessment reports and was co-chair of the international scientific steering group of the World Climate Research Programme project (CLIVAR) on climate variability and predictability. For a large part of his career Tim has developed ensemble methods for predicting uncertainty in weather and climate forecasts. In 2020 Tim was elected to the US National Academy of Sciences. His work explores questions around where climatic processes on different space and time scales interact. He has also developed and worked on the application of weather and climate forecasts systems for malaria prediction, flood forecasting, crop yield estimation, and more. Most recently his research has focused on simulating climate at extremely high resolution

Adam Pease
Adam Pease is CEO and principal consultant of Articulate Software. His research is centered on the Suggested Upper Merged Ontology, and Sigma ontology environment. Video blog. For the past 20+ years he has been developing a specification of tens of thousands of relationships, processes and objects in an expressive mathematical logic. This allows them to perform data development in a similar way to the development of procedural software development - through massive reuse of existing code, instead of development from scratch. Because of the use of an expressive logic, they can use automation to check for the consistency of the definitions of concepts, in the same way that we can check modern software languages for consistency of types, but with the full power of an expressive logic instead of a simple set of types. These explicit definitions mean that no longer do developers have to rely on their intuitions about the meaning of terms, or to seek out the colleagues who created them in order to understand intended semantics.

Karan Pinto
Karan Pinto is the Head of Growth and Product at Terra Quantum. Prior to joining Terra Quantum Karan was a founding member of the Quantum Computing Lab, where he helped envision, design & build quantum technology driven opportunities. He is focused on building high value applications across sectors powered by near term quantum advantage, specializing in quantum computing for optimization problems. As part of the Sia Partners Growth & Innovation team, he helped companies make breakthrough growth opportunities happen through business model innovation and disruptive technology commercialisation. He has a background in Engineering, Finance & Technology Development with experience across startups, tech firms & management consultancies.

Frank Sauer
Dr. Frank Sauer studied political science, sociology, philosophy and international law at Goethe University Frankfurt, from where he also received his doctoral degree. He is the author of "Atomic Anxiety: Deterrence, Taboo, and the Non-Use of U.S. Nuclear Weapons" and the co-editor of the German language "Handbook of International Relations". Frank works on international politics with a focus on security. He has done research on nuclear issues, terrorism, cyber security as well as emerging technologies, especially the military application of artificial intelligence (AI) and robotics. His research (with Elvira Rosert) on the international regulation of autonomy in weapons systems was awarded the 2022 "Bernard Brodie Prize". Frank is a leading member of the International Committee for Robot Arms Control. He also serves as a Senior Advisor on the International Panel on the Regulation of Autonomous Weapons as well as on the expert commission on the responsible use of technologies in the European 'Future Combat Air System'.

Peter Suma
Peter is Chairman and Co-CEO of Applied Brain Research Inc. (ABR), one of the world's leading companies in the emerging space of neuromorphic computing and cognitive AI. Peter co-founded ABR with a team of computational neuroscientists from the University of Waterloo's Centre for Theoretical Neuroscience., commercializing their leading research into neuromorphic computing. Peter's research interests are in cortical algorithms and complex neuron response models for implementing advanced AI networks. He works at the intersection of AI and venture capital.

Josef Urban
Distinguished researcher at the Czech Institute of of Informatics, Robotics and Cybernetics (CIIRC) heading the ERC Consolidator project AI4REASON. Before that he was a postdoc researcher in the Foundations Group of ICIS at the Radboud University, Nijmegen, an assistant professor at the Department of Theoretical Computer Science and Mathematical Logic at Charles University in Prague (co-founded the Prague Automated Reasoning Group), and a Marie-Curie fellow at the Department of Computer Science at University of Miami. (Scientific CV). Interested in automated reasoning in large semantically specified knowledge bases (some

people call this "strong artificial intelligence"). It involves automated deductive reasoning (automated theorem proving), inductive reasoning (machine learning and discovery) and their combining. Also involved in formalization and computer-verification of mathematics (see the QED Manifesto), especially in Mizar.