



SPEAKERS

Keynotes

Jānis Karlsbergs is the Senior Policy and Publications Manager at the NATO Strategic Communications Centre of Excellence based in Riga, Latvia. He served as the Undersecretary of State – Policy Director in Latvia's Ministry of Defence, shaping Latvia's defence and security policy, and coordinating the Latvian National Armed Forces' contribution to the international military operations. During his tenure in the Ministry of Defence, he dealt with military relations and training sphere, led international relations and bilateral military cooperation projects. He also worked as a Defence Advisor within Latvia's mission to Organisation for Security and Co-operation in Europe (OSCE) in Vienna, Austria, and as the Head of Latvia's Ministry of Defence representation to NATO and EU in Brussels, Belgium. He also was the Co-chairman of the NATO Committee on Proliferation and Latvia's Special Advisor to Georgia on defence reforms and NATO integration plans. For two decades Mr. Karlsbergs has been a member of the Foundation Councils of the Geneva Centre of Security Policy and Centre of Democratic Control of Armed Forces. Mr. Karlsbergs holds a BA in History and Philosophy from the University of Latvia and a Master of Strategic Studies from the U.S. Army War College. He also completed the International Security Policy course at the Geneva Centre for Security Policy, Switzerland. Janis speaks Latvian, English, Russian, German, and French.



Shelly Bruce was appointed to the position of Chief for the Communications Security Establishment (CSE) in June 2018 and retired in September 2022, after 33 years in Canada's national cryptologic agency.

Shelly joined CSE in 1989 as a signals intelligence linguist and analyst and spent time in various SIGINT operational, policy and planning roles, as well as in CSE's IT security branch (now the Canadian Centre for Cyber Security).

In 2007, she was seconded to the Security and Intelligence Secretariat at the Privy Council Office as Director of Operations. From 2009 before she was appointed a Chief, Shelly was responsible for Canada's national SIGINT program.

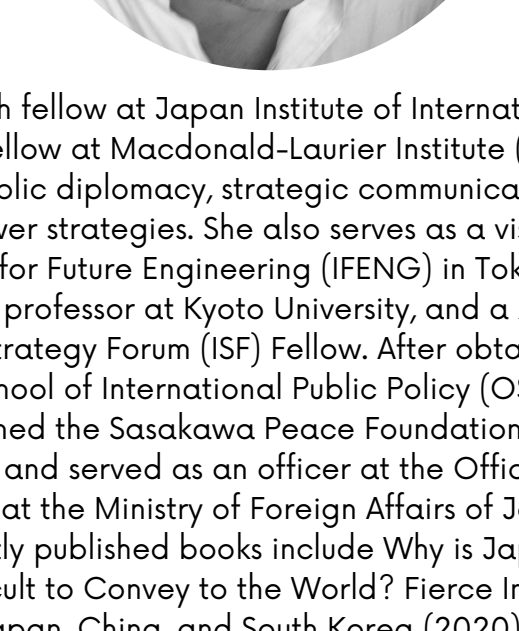
Shelly holds a BA in Russian studies from Dalhousie University and a Master's in Slavic languages and literature from the University of Toronto.

Panelists

Political/Military Panel

Information environment in a multicultural society. As citizens are at the center of information security, this discussion is aiming to better understand the factors influencing responses, vulnerability, and resiliency of different groups of Canadians to information threats and dis-information campaigns. How do we build models and codes that use our best understanding of how humans think? Do Canadians respond to information threats differently, and on what basis? How do different groups differ in their susceptibility and resiliency to dis-information campaigns? What factors are behind this? What policy instruments should the Government of Canada put in place to increase the resiliency of our society and citizens in the face of information security?

Marcus Kolga is the founder and director of DisinfoWatch and a senior fellow at the Macdonald-Laurier and CDA institutes. He is a journalist, filmmaker, digital communications developer and human rights activist. He led the Canadian civil society campaign for Magnitsky legislation and continues to advocate for global human rights and democracy activists. Marcus is a regular commentator on international affairs and human rights and his articles have been published by The Globe and Mail, The Toronto Star, The National Post, The New York Daily Mail, Macleans, The EU Observer and other international publications. He was named to The Kremlin's sanctions blacklist in March 2022.

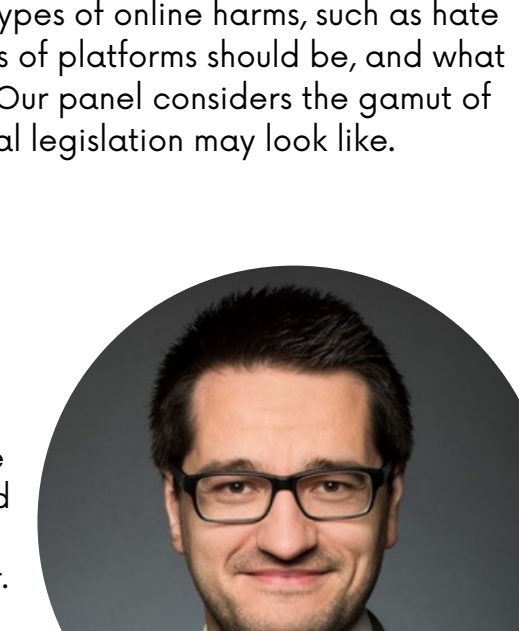


Kyoko Kuwahara is a research fellow at Japan Institute of International Affairs (JIIA), and a visiting fellow at Macdonald-Laurier Institute (MLI).

She specializes in public diplomacy, strategic communications, disinformation, and soft power strategies. She also serves as a visiting research analyst at the Institute for Future Engineering (IFENG) in Tokyo, specially appointed assistant professor at Kyoto University, and a 2021 Schmidt Futures International Strategy Forum (ISF) Fellow. After obtaining a Master's from the Osaka School of International Public Policy (OSIPP) at Osaka University, she joined the Sasakawa Peace Foundation as a research fellow (2017-2018) and served as an officer at the Office for Strategic Communication Hub at the Ministry of Foreign Affairs of Japan in 2018-2019. Her recent published books include *Why is Japan's "Righteousness" Difficult to Convey to the World? Fierce Image Competition between Japan, China, and South Korea* (2020), and *Disinformation Warfare: The War in Your Heads, co-author* (2023) [Both in Japanese]. Her current research is focused on disinformation threats and countermeasures, and international cooperation (particularly between Japan and Canada).



Bessma Momani is a Professor of Political Science at the University of Waterloo and a Senior fellow at the Centre for International Governance and Innovation (CIGI), and a Non-Resident Fellow at the Arab Gulf States Institute in Washington, D.C. Dr. Momani was a Non-Resident Senior Fellow at both the Brookings Institution and Stimson Center in Washington, D.C., a consultant to the International Monetary Fund, and formerly a visiting scholar at Georgetown University's Mortara Center. She was a 2015 Fellow of the Pierre Elliott Trudeau Foundation and now sits on its board of directors. She is also a Fulbright Scholar. Dr. Momani currently sits on the National Security Transparency Advisory Group (NS-TAG) to advise the Deputy Minister of Public Safety Canada and other Government officials on improving transparency in Canada's national security and intelligence departments and agencies.



Legal/Ethical Panel

Social media usage has increased over the past decade with more than half of the world's population using one or more social media platforms daily. As a result, platforms are used by media, organizations, and individuals, and have become the hub of discourse that shapes our social order. How the platforms are designed, from the recommender algorithms, content moderation (human and automated), advertising agreements and other policy practices, structure the world that users engage with, and thereby can promote human rights, undermine democracies, and facilitate other types of online harms, such as hate and violence. The crucial question centres on what the responsibilities of platforms should be, and what role the government has in setting these responsibilities through law. Our panel considers the gamut of issues within platform regulation with the goal of framing what optimal legislation may look like.

Florian Martin-Bariteau is the University Research Chair in Technology and Society at the University of Ottawa, where he is an Associate Professor in the Faculty of Law, Common Law Section as well as the Director of the AI + Society Initiative, and the Director of the Centre for Law, Technology and Society. Dr. Martin-Bariteau is also a Fellow of the Berkman-Klein Center for Internet and Society at Harvard University, as well as a member of the Nexus for Quantum Technologies Institute at the University of Ottawa. His research focuses on technology law, ethics, and policy, with a special interest in AI, blockchain, quantum science and technologies, cybersecurity, whistleblowers, and intellectual property. Dr. Florian Martin-Bariteau is an internationally recognized thought leader on technology policy, engaged in shaping frameworks that safeguard rights and liberties in the digital context to build a more secure and inclusive society. His work has been published in leading journals and publishing houses in French and English and presented globally to academic and policy audiences.

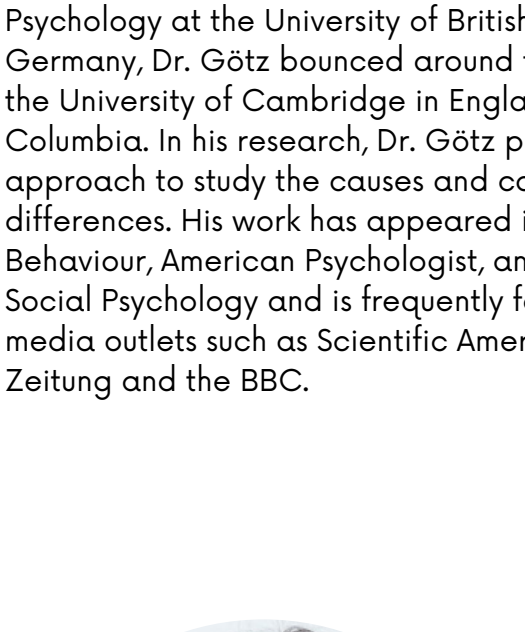


Jon Penney is a legal scholar and social scientist with an expertise at the intersection of law, technology, and human rights. He is an Associate Professor at Osgoode Hall Law School; a Visiting Scholar and Faculty Associate at Harvard's Berkman Klein Center for Internet & Society; and a long time Research Fellow at the Citizen Lab based at the University of Toronto's Munk School of Global Affairs and Public Policy. His work on privacy, security, and technology law and policy has received national and international press coverage including coverage in the CBC, Globe and Mail, Washington Post, Reuters, The New York Times, WIRED Magazine, The Guardian, and Le Monde, among others.

Technological Panel

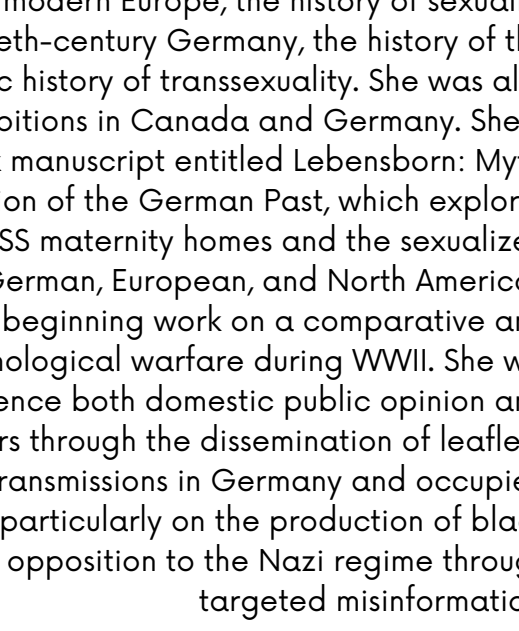
The digital revolution and the increasing digitization in our society means that we can design intelligent solution and products to improve people's lives. However, there are potential risks with the AI powered technologies especially in the areas of national defence and security. The data collection, manipulation and protection are important issues in our modern diverse society. In this panel we look at technologies related to data gathering and dissemination, how mishandling data can threaten our lives, and how to ensure ethical principles are applied when building data entered security systems.

Thorsten Quandt is a Full Professor of Online Communication at the University of Münster, Germany. His work focuses on societal changes connected to the Internet and new media. Dr. Quandt's recent research includes studies on "dark participation", online propaganda, dysfunctional online use and the transformation of journalism. His research group's approaches and methods operate at the intersection of communication studies, psychology, and data science. Previous academic stations include the University of Hohenheim, the Free University Berlin and LMU Munich, and he was a visiting professor at UBC Vancouver, Stanford University, the University of Oxford, and the University of California (Santa Barbara). His works and concepts were formative in the debate on participatory journalism and, later, the discussion on the misuse of online participation. He ranks among the most cited journalism scholars worldwide.



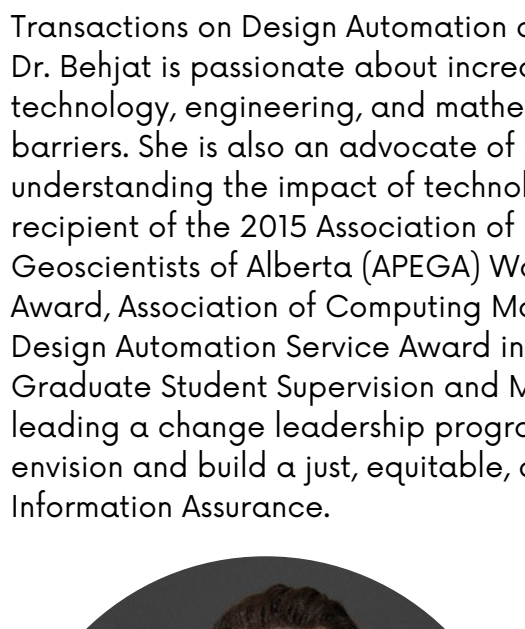
Victoria Rubin is an Assistant Professor at the Faculty of Information and Media Studies (FIMS), University of Western Ontario, London, Canada. She teaches graduate courses on the Organization of Information, Multilingual Information Access, and Natural Language Processing (NLP) in the Library and Information Science Graduate Programs. As a researcher, she specializes in information retrieval and NLP techniques that enable analyses of texts to identify, extract, and organize structured knowledge. In 2022 Victoria published a book *Misinformation and Disinformation: Detecting Fakes with the Eye and AI*, that examines the synthesis of artificial intelligence, psychology, and professional practices in detecting mis-/disinformation in digital media content and suggests practical means to intervene and curtail this current global 'infodemic'.

Rei Safavi-Naeini is the NSERC/Telus Industrial Research Chair and Alberta Innovates Strategic Chair in Information Security, and a co-founder of Institute for Security, Privacy and Information Assurance at the University of Calgary serving as its Director until January 2019. Before joining the University of Calgary in 2007 as the iCORE Chair in Information Security, she was a Professor of Computer Science and the Director of Telecommunication and Information Technology Research Institute at the University of Wollongong Australia. She has over 400 published papers in journals and conferences, has served as Associate Editor of IEEE Transactions on Information Theory, ACM Transactions on Information and System Security, IEEE Transactions on Secure and Dependable Computing, and is currently Associate Editor of IET Information Security and Journal of Mathematical Cryptology. She has served as Program Chair/co-Chair of numerous conferences, including Privacy, Security and Trust (PST 2017), ACM CCSW 2014, Financial Cryptography 2014, ACNS 2013 and Crypto 2012. She holds a PhD in Electrical Engineering from University of Waterloo, Canada. Her research interests are cryptography, information theoretic security, quantum-safe cryptography, network and communication security and privacy, Cloud security, and Distributed Ledger and Smart Contracts.

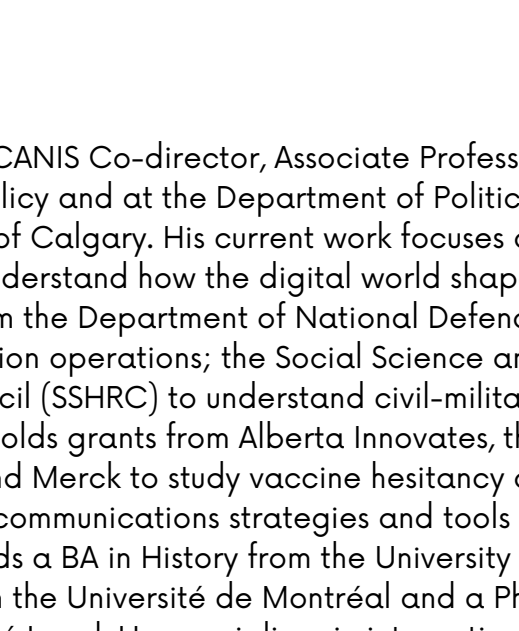


Cognitive/Behavioral Panel

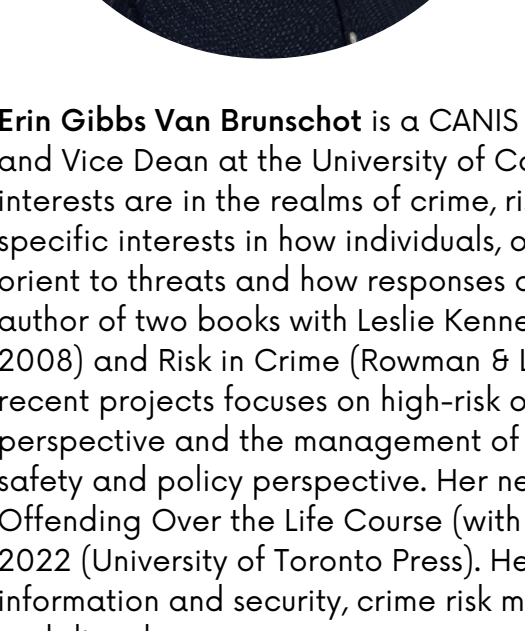
Several factors influence how we create, understand, and disseminate information. We consider the cognitive and behavioural factors impacting our orientation to information across a variety of dimensions, from the individual (life experiences and personalities) and sociodemographic (income and peer cohorts), to the community and societal (geographic and cultural). This diversity of characteristics creates a range of social 'locations' influencing how information is shaped and perceived, how information is processed, how we perceive the validity of our own and others' information, the trust we place in those who provide information, and our ability to consider new information. Our social locations serve as filters to our experiences of and with information. An examination of varied social locations opens avenues to explore how they impact vulnerability and strength in the face of information that may be inaccurate, misleading, or false.



Ofer Fridman is a Senior Lecturer in War Studies at the King's College London and the Director of Operations at the King's Centre for Strategic Communications (KCSC). He holds a B.A. in Military History and Security Studies from the Hebrew University of Jerusalem, an M.A. in Counter-Terrorism and Homeland Security from the Interdisciplinary Centre Herzliya (IDC), and a Ph.D. in Politics from the University of Reading. Dr. Fridman's research interests include Strategic Communications, Influence and Information operations, Russian military thought, Strategic Studies and Military Transformations. His recent books include *Strategy: The Foundations of the Russian Art of Strategy* (OUP, 2021), *Russian Hybrid Warfare: Resurgence and Politicisation*, (OUP, 2018) and *Hybrid Conflicts and Information Warfare: New Labels, Old Politics* (Lynne Rienner, 2018) co-edited with Vitaly Kabernik and James C. Pearce. Before embarking on his academic career, he served for 15 years in the Israeli Defence Forces.



Friedrich Götz is a personality researcher and Assistant Professor of Psychology at the University of British Columbia. Originally from Germany, Dr. Götz bounced around the globe and obtained his PhD from the University of Cambridge in England before moving to beautiful British Columbia. In his research, Dr. Götz pursues an interdisciplinary Big Data approach to study the causes and consequences of regional personality differences. His work has appeared in top journals such as *Nature Human Behaviour*, *American Psychologist*, and the *Journal of Personality and Social Psychology* and is frequently featured in national and international media outlets such as *Scientific American*, *Forbes*, *DIE ZEIT*, *Neue Zürcher Zeitung* and the *BBC*.



Annette F. Timm is a Professor of History at the University of Calgary and the former editor of the *Journal of the History of Sexuality* (2014–2021). She is the author or editor of five books and on subjects ranging from the history of gender and sexuality in modern Europe, the history of sexuality and population policy in twentieth-century Germany, the history of the Holocaust, and the transatlantic history of transsexuality. She was also the co-curated several exhibitions in Canada and Germany. She is currently completing a book manuscript entitled *Lebensborn: Myth, Memory and the Sexualization of the German Past*, which explores Heinrich Himmler's network of SS maternity homes and the sexualized myths about them in post-WWII German, European, and North American popular culture. Dr. Timm is just beginning work on a comparative and collaborative exploration of psychological warfare during WWII. She will explore Allied attempts to influence both domestic public opinion and the actions of enemy soldiers through the dissemination of leaflets, pamphlets, film, and radio transmissions in Germany and occupied Europe. This research focuses particularly on the production of black propaganda: efforts to encourage opposition to the Nazi regime through targeted misinformation.

Facilitators

Laleh Behjat is a CANIS Co-director, Professor at the Department of Electrical and Software Engineering at the University of Calgary and the NSERC Chair for Women in Science and Engineering – Prairies. Her research focuses on developing mathematical techniques and software tools for automating the design of digital integrated circuits. Dr. Behjat acted as an academic advisor for Google Technical Development Guide and was a member of Google's Council on Computer Science Education. She is an Associate Editor of the IEEE Transactions on CAD and ACM Transactions on Design Automation of Electronic Systems.



Jean-Christophe Boucher is a CANIS Co-director, Associate Professor at the School of Public Policy and at the Department of Political Science at the University of Calgary. His current work focuses on applied machine learning to understand how the digital world shapes our society. He holds grants from the Department of National Defence (DND) to study information operations; the Social Science and Humanities Research Council (SSHRC) to understand civil-military relations in Canada; and holds grants from Alberta Innovates, the Vaccine Confidence Fund and Merck to study vaccine hesitancy on social media to develop better communications strategies and tools to increase vaccine uptake. He holds a BA in History from the University of Ottawa, an MA in Philosophy from the Université de Montréal and a PhD in Political Science from Université Laval. He specializes in international relations, with an emphasis on foreign policy, international security, and data analytics.

Erin Gibbs Van Brunschot is a CANIS Co-director, Professor of Sociology and Vice Dean at the University of Calgary. Her primary research interests are in the realms of crime, risk, security, and social control, with specific interests in how individuals, organizations, agencies, and states orient to threats and how responses diverge and converge. She is co-author of two books with Leslie Kennedy, *Risk Balance and Security* (Sage, 2008) and *Risk in Crime* (Rowman & Littlefield, 2009). One of her more recent projects focuses on high-risk offending from a life-course perspective and the management of these individuals from a public safety and policy perspective. Her new book, *Pathways to Ruin? High-Risk Offending Over the Life Course* (with Tamara Humphrey) was published in 2022 (University of Toronto Press). Her current projects focus on information and security, crime risk management, policing, victimization, and disorder.

Emily Laidlaw is a CANIS Co-director, Canada Research Chair in Cybersecurity Law and Associate Professor. She researches in the areas of technology regulation, cybersecurity and human rights, with a focus on platform regulation, online harms, privacy, freedom of expression and corporate social responsibility. She is author of the book *Regulating Speech in Cyberspace: Gatekeepers, Human Rights and Corporate Responsibility* (Cambridge University Press, 2015). Prior to joining the University of Calgary in 2014, Dr. Laidlaw spent almost ten years in the United Kingdom where she completed her LL.M and PhD at the London School of Economics and Political Science and held a tenure-track lectureship with the University of East Anglia Law School. As a scholar, she actively contributes to law reform and other advisory work, with a range of projects for the Federal Government, Law Commission of Ontario, the Uniform Law Conference of Canada, the Organization of Economic Co-operation and Development, and the Council of Canadian Academies. Emily is a member of the Institute for Security, Privacy and Information Assurance.