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*Glen Abbey Prince Edward
Northtown Wynford*



18th Annual Senior College Symposium, April 19, 2023
9am-4pm at the U of T Faculty Club, 41 Willcocks (or by Zoom)

Surveillance, Privacy, Artificial Intelligence: The Promises and Challenges of our Digital Age

Co-Chairs: Bill Logan and Margaret Procter

Symposium Committee: Derek Allen (ex officio), Linda Hutcheon (ex officio), Carl Baar, Cornelia Baines, Ian Burton, Deanne Bogdan, Larry Bourne, Daphne Maurer, Suzanne Hidi, Giuliana Katz, Merrijoy Kelner, Scott Rogers, Peter Russell.

9:00-9:10am **Welcome: Michael Hutcheon, Principal of Senior College**

Sessions 1 and 2: Chair, Bill Logan

9:10-10:00am **Jim Balsillie**
“Addressing the Challenges of the Digital Transformation: A Path Forward”

The transformation of the economy into a knowledge-based and data-driven model has reshaped the international competitive landscape, foundationally changed the structure and behaviours of firms, and ushered in new challenges for our societies and democracies. Canada lags in the development of policy capacity and strategies to keep up with this digital transformation, putting our prosperity, values, and security at risk. This presentation will show the transformation from a traditional production-based economy to the contemporary economy of IP and data, and then unpack the components needed for digital policy infrastructure.

Jim Balsillie is the retired Chairman and co-CEO of Research In Motion (BlackBerry), a technology company he scaled from an idea to \$20 billion in sales globally. Mr. Balsillie’s private investment office includes global and domestic technology investments such as cybersecurity leader Magnet Forensics

and space technology leader MDA. He is the co-founder of the Institute for New Economic Thinking in New York, the Council of Canadian Innovators based in Toronto, and Digital Governance Council, as well as founder of the Centre for International Governance Innovation in Waterloo, the Centre for Digital Rights, the Balsillie School of International Affairs, and the Arctic Research Foundation. He is also a member of the Board of the Carnegie Endowment for International Peace and the Advisory Board of the Stockholm Resilience Centre; an Honorary Captain (Navy) of the Royal Canadian Navy and an Advisor to Canada School of Public Service.

10:00-10:50am **Avi Goldfarb**
“The Disruptive Economics of Artificial Intelligence”

Artificial intelligence presents an extraordinary opportunity and an extraordinary threat. But not in the way that might be expected. Today’s AI is best understood as prediction technology rather than a machine that can do everything humans do. Prediction technology can nevertheless transform industries. It does this by decoupling prediction from the other aspects of decision making, thereby creating new ways of delivering value. Today, we sit in a striking phase in the development of this technology, The Between Times, after witnessing AI’s potential, but before its widespread impact.

Avi Goldfarb is the Rotman Chair in Artificial Intelligence and Healthcare, and Professor of Marketing, at the Rotman School of Management, University of Toronto, and Chief Data Scientist at the Creative Destruction Lab. He has published academic articles on how information technology affects markets in a variety of academic disciplines, including computing, law, management, marketing, medicine, physics, political science, public health, statistics, and economics.

10:50-11:10 **Refreshment break**

Session 3: Chair, Giuliana Katz

11:10-12:00 **Jonathon Penney**
“Will Artificial Intelligence Safety Standards Be Safe?”

A number of new AI safety and certification standards have recently been proposed both in North America and abroad, with others currently under consideration (including Ontario and the Government of Canada). In this talk, I critically evaluate leading proposals, with particular attention to the EU's Artificial Intelligence Act--which like the EU’s General Data Protection Regulations has a good chance at becoming the global standard--arguing they put at risk privacy, human rights, and consumer safety. In order to be safe, these safety standards must be substantially strengthened.

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-term Research Fellow at the Citizen Lab based at the University of Toronto's Munk School of Global Affairs and Public Policy.

12:00-1:10

Buffet lunch, main lounge

Sessions 4 and 5: Chair, Margaret Procter

1:10-2:00

Laura Rosella

“AI and Digital Technology: What do they mean for the future of health?”

The role of data and analytics has never been more important in society and, in particular, for informing health decisions. There has been a rapid change in the nature of data used in public health and healthcare contexts and an increased focus on the use of Artificial Intelligence (AI) in the analysis of those emerging data sources. There are many conflicting points of view on the utility of AI in health decision-making context and a lack of clarity on the implications for health disciplines more generally. This session will highlight the myths, the debates, and the skepticism (from all sides) and outline a proposed direction for the role of AI in the future of health.

Laura C. Rosella, PhD, MHSc, is the Principal Investigator and Scientific Director of the Population Health Analytics Lab. She is an Associate Professor at the Dalla Lana School of Public Health at the University of Toronto, where she holds a Canada Research Chair in Population Health Analytics; the Stephen Family Research Chair in Community Health at the Institute for Better Health, Trillium Health Partners; the Education Lead for the Temerty Centre for Artificial Intelligence Research and Education in Medicine (T-CAIREM); and the Associate Director of Education and Training at the University of Toronto’s Data Science Initiative (DSI). She was recently inducted into the Royal Society of Canada’s (RSC) College of New Scholars in recognition of her research in health data science.

2:00-2:50

Kate Tilleczek

“Youth Wellbeing in the Digital Age”

This presentation describes how young people encounter and navigate the digital age. We first consider what it means to live well, and how young people are faring in today’s digital age. I share research wherein youth unpack their deep concerns and tensions that arise from digital ecologies. Young people are provoking questions about who designs, controls, and regulates digital technologies and if/how their enhanced wellbeing is possible.

Kate Tilleczek holds the Tier I Canada Research Chair in *Youth, Education & Global Good* at York University and is Scientific Director (and founder in 2009) of the *Young Lives Research Laboratory*. For over three decades she has directed youth-centred research projects that are international and intercultural *alongside* youth, youth-serving communities, NGOs and scholars. Professor Tilleczek investigates *with/by/for* young people the practices and challenges of living well on a digital and warming planet. She draws on her SSHRC-funded projects *Youth, Education and Wellbeing in Canada’s Digital Society (post-pandemic)* and *Partnership for Youth and Planetary Wellbeing* for this presentation.

2:50-3:10

Refreshment break

Session 6: Chair, Linda Hutcheon

3:10-4:00

David Rokeby

“Viewing Each Other: How AI Systems See Us and How We See Them”

AI systems have unprecedented capabilities and unexpected and often hidden limitations. As we engage in increasingly dense and increasingly intimate relationships with them, we need to develop a new kind of literacy, that helps us to place them in appropriate roles in our society and to limit the inevitable collateral damage as hype meets reality. Drawing from 40 years of experience as an artist developing installations that help us see the computer and see how the computer sees us, David Rokeby will reflect on these questions at this moment when these issues are erupting into public consciousness.

David Rokeby is a Toronto artist who works with digital media to critically explore their impact on contemporary life. He has exhibited extensively internationally and has received a Governor General’s Award, a Prix Ars Electronica Golden Nica for Interactive Art, and a “BAFTA” award. He is the Director of the BMO Lab for Creative Research in the Arts, Performance, Emerging Technologies, and AI at the University of Toronto.

4:00-4:10

Final Remarks

4:10-5:00

Reception, Main Lounge (with draw for door prizes from Delmanor)