

“Bracing for Impact Webinar: AI’s Dirty Footprint” Speakers



28.6.21

BRACING FOR IMPACT WEBINAR SERIES

AI'S DIRTY FOOTPRINT

Mon, 28 June 2021, 12pm-1:30pm (EST) / 7pm-8:30pm (IST)
on Microsoft Teams

OPENING REMARKS

- Prof. Amir Asif**
Vice President, Research and Innovation at York University
- Prof. Giuseppina (Pina) D'Agostino**
Founder & Director, IP Osgoode, Osgoode Hall Law School

KEYNOTE ADDRESS

- The Hon. David Piccini**
Ontario Minister of Environment, Conservation and Parks

DISCUSSANTS

- Ms. Andrea Roszell**
Director, Energy, Sustainability & Infrastructure, Guidehouse
- Dr. Audrey Lee**
Senior Director, Energy Strategy, Microsoft
- Mr. Kapil Singhal**
Co-Founder & CEO, Vyntelligence
- Ms. Neetika Sathe**
Vice President, GRE&T Centre, Alectra Inc.

MODERATOR

- Dr. Aviv Gaon**
Harry Radzyner Law School, IDC Herzliya

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About the Event:

This timely webinar will address the environmental implications of artificial intelligence (AI) developments in recent years. AI can be a double-edged sword, and while it can make resources and information more accessible and solve some of our climate challenges, it also requires more energy to use and, as a result, increases our carbon footprint. Our panelists, from a wide range of expertise, will look closely at these issues and discuss ways to foster sustainability.

The event, chaired by **Prof. Pina D'Agostino, Founder & Director of IP Osgoode** will begin with welcoming remarks from **York University VPRI Dr. Amir Asif** and a keynote speech from the **Ontario Minister of Environment, Conservation and Parks, the Hon. David Piccini**, in one of his first public appearances since his appointment to the role.

Dr. Aviv Gaon, IDC Herzliya will introduce and moderate the panel. Panelists include **Ms. Andrea Roszell** (Director, Energy, Sustainability & Infrastructure, Guidehouse), **Dr. Audrey Lee** (Senior Director, Energy Strategy, Microsoft), **Mr. Kapil Singhal** (Co-Founder & CEO, Vyntelligence), and **Ms. Neetika Sathe** (Vice President, GRE&T Centre, Alectra Inc.)

The Bracing for Impact Webinar series is organized by **IP Osgoode**, in collaboration with the **Harry Radzyner Law School at the IDC Herzliya** in Israel and **Microsoft Canada**, and for this event, we are delighted to be collaborating with **Alectra Inc** and its **GRE&T Centre**.

Prof. Pina D'Agostino (Opening Remarks)

Founder & Director, IP Osgoode, Osgoode Hall Law School



Prof Pina D'Agostino is a law professor, lawyer and recognized international scholar at Osgoode Hall Law School, York University specializing in intellectual property, technology and innovation law and policy. Prof D'Agostino is regularly called by Canadian and Foreign governments for advice She is a widely published author and a cited authority at the Supreme Court of Canada and in various media. She brings her creativity and passion to her role as Founder and Director of IP Osgoode, the IP Intensive, and the IP Innovation Clinic, the first legal clinic of its kind helping inventors and start-ups. She was an Associate for a large Toronto firm and recruited into the Canadian Government by the Recruitment of Policy Leaders as a Senior Policy Analyst working on copyright policy. She serves on the Board of Directors of Alectra Inc. and Chairs its new GRE&T Centre, advancing innovation and sustainable energy solutions. Prof D'Agostino has a Masters and Doctorate in Law (University of Oxford) specializing in copyright law, an LL.B

(Osgoode Hall Law School) and is a member of the Law Society of Ontario, a Senior Fellow at the Centre for International Governance Innovation (CIGI), Co-Chair of the York University AI & Society Task Force, and appointed to the City of Vaughan Smart City Task Force. Prof D'Agostino is the recipient of various grants, honours, and awards and is currently working on two books in the areas of copyright, AI and technology, innovation law and policy. She works tirelessly to advance women's and more diverse voices in the intellectual property and innovation landscape. Her three books, *Copyright, Contract, Creators: New Media, New Rules*; *The Common Law of Intellectual Property: Essays in Honour of Professor David Vaver* (with L Bentley and C Ng); and *Leading Legal Disruption: Artificial Intelligence and a Toolkit for Lawyers and the Law* (with C Piovesan and A Gaon) are widely available.

Dr. Amir Asif (Welcome Address)

Vice President, Research & Innovation, York University



Dr. Amir Asif is the Vice President, Research & Innovation at York University. Dr. Asif has served as the Dean of the Gina Cody School of Engineering and Computer Science (GCS) at Concordia University since 2014. He is well known to members of the York community, having served as the founding Chair of the Department of Electrical Engineering and Computer Science (EECS) from 2006 to 2014. Dr. Asif has more than 15 years of experience serving in senior university leadership positions. Most recently, he led the development of the 2016-21 GCS Strategic Plan and the creation of faculty research support and capital infrastructure funds focused on attracting the best researchers and achieving excellence in research. Dr. Asif was instrumental in establishing successful research collaborations between the public and private sectors, examples of which are NSERC Canada Excellence Research Chair in Smart and Resilient Cities and Communities (\$10M), Green-Surface Engineering and Advanced Manufacturing approved as a NSERC Strategic Partnership Grant (\$5.5M), multiple NSERC Collaborative Research and Development Grants (\$10M), four Industrial Research Chairs (over \$6M) and various NSERC Create and Mitacs Accelerate Grants (\$5M).

Dr. Asif is the recipient of several prestigious teaching awards and has published extensively in scientific journals and international conferences. He has been awarded grants for core engineering research and applied industrial projects undertaken in Canada and internationally, including from the Ontario Research Foundation/Research Excellence program for his work as principal investigator of the Centre for Innovation in Information Visualization and Data Driven Design (CIV/DDD), a multi-million dollar, multi-institutional research project. He continues to work with industry on applied research projects, the latest such collaboration leading to a joint patent filing with IBM.

The Hon. David Piccini (Keynote Address)

Minister, Ministry of the Environment, Conservation and Parks



The Honourable David Piccini is the Member of Provincial Parliament for Northumberland-Peterborough South. He currently serves as the Minister of Environment, Conservation and Parks and is a member of the Standing Committee on Finance and Economic Affairs.

David began his career with the Federal Public service, first as an International Market Analyst at Agriculture Canada, then as a Policy Advisor at Service Canada. Following his time in the public service, David then took a position in the Office of the Minister of International Trade, working with the Honourable Ed Fast, where he contributed to key trade files, including the Canada-Europe Free Trade Agreement.

In 2015, David was invited to join the Royal College of Physicians and Surgeons of Canada where he provided strategic advice on policy, business and operational issues for the Royal College's international activities. He oversaw and supported the development and implementation of critical project around the globe.

While at the Royal College, David helped establish the Canadian International Health Education Association (CIHEA), a nationally incorporated non-profit trade association that brings together universities, colleges, health science centres and businesses across Canada involved in health care professions, training and health initiatives. Notably, David successfully led one of Canada's largest healthcare trade missions to the Gulf region in early 2018.

David lives in Port Hope with his dog Max, where he grew up and remains an active member of his community. He is currently a member of Royal Canadian Legion, Branch 133 and supports local youth soccer teams when he can on his spare time.

Dr. Aviv Gaon (Moderator)

Harry Radzyner Law School, IDC Herzliya



Dr. Aviv Gaon earned his Ph.D. in Law from Osgoode Hall Law School, Toronto, Canada in 2019. Dr. Gaon is a member of the IP Osgoode Center for Intellectual Property and Technology, and a 2019-2020 Fellow at The Munk School of Global Affairs and Public Policy at the University of Toronto. Dr. Gaon specializes in Intellectual Property, Law & Technology and Competition Law. Dr. Gaon earned his bachelor and master degrees in Law (LL.B & LL.M) at IDC Herzliya, and upon completion of his legal studies, joined a top Israeli law firm as an associate at the Competition & Antitrust Department, where he provided legal counsel to individuals and companies with respect to a wide range of legal issues. In his academic capacities, Dr. Gaon is the Director of IDC Herzliya Experiential Programs, the Director of Harry Radzyner Law School Honorary Program, and an

Adjunct Professor at Ben-Gurion University of the Negev. Dr. Gaon recent publications focus on legal implications and regulation of emerging technologies including artificial intelligence. Dr. Gaon's recently published *Leading Legal Disruption: Artificial Intelligence and a Toolkit for Lawyers and the Law* (with Pina D'Agostino and Carole Piovesan), and his own *The Future of Copyright in the Artificial Intelligence Era* (Edward Elgar Publications) is forthcoming this fall.

Ms. Andrea Roszell (Discussant)

Director, Energy, Sustainability & Infrastructure, Guidehouse



Through her work with clients across North America, Andrea has developed an intimate knowledge of the electricity industry and the challenges relating to the evolution of business models for utilities, energy service companies, and system operators which will be required during the transition to a more dynamic, intelligent, and distributed future. Andrea's areas of expertise include smart grid and grid modernization, transportation electrification, sustainability, microgrid and renewable energy project assessments, non-wires alternative studies, energy transition strategy, conservation and demand management program evaluation, and business case development and market assessment of emerging energy technologies.

Dr. Audrey Lee (Discussant)

Senior Director of Energy Strategy, Microsoft



Dr. Audrey Lee is Senior Director of Energy Strategy at Microsoft, where she works at the intersection of policy, technology, and commercial opportunities on the Microsoft datacenter energy team. She also serves on the Boards of ArcLight Clean Transition I & II (NASDAQ: ACTCU, ACTDU), a special purpose acquisition company focused on sustainable energy, and Redaptive Inc., deploying energy efficiency-as-a-service across large commercial real estate portfolios. She volunteers as a board member of Gridworks and the educational fund of Clean Energy for America.

Previously at Sunrun (NASDAQ: RUN) as VP of Energy Services, Audrey deployed and aggregated solar, batteries, and energy services to serve residential customers, utilities, and grid operators, earning recognition by Utility Dive as “Disruptor of the Year.” She built the virtual power plant platform at Advanced Microgrid Solutions for commercial and industrial customers. Prior to that, Audrey led policymaking at the CA Public Utilities Commission President’s office, Harvard University, U.S. Department of Energy, and International Energy Agency. She holds a Ph.D. in electrical engineering from Princeton University.

Mr. Kapil Singhal (Discussant)

Co-Founder & CEO, Vyntelligence



Kapil enjoys scaling businesses, building teams, and creating simple experiences.

Kapil started his career with **Ericsson** as a field engineer, designing & building the very first mobile networks in India and worked at an **Intel** backed start up to build mobile applications in 2000. Kapil joined Aricent as the second employee in Europe. He built and led successful sales & client teams globally with revenue growth from zero to £250m, and contributed to EMEA growth from 2 to 2500 employees. Kapil worked closely with senior management to integrate multiple acquisitions, notably Frog design, as the company got acquired by KKR and eventually CapGemini.

Kapil co-founded Vyntelligence with a purpose of simplifying work-life for a healthier, sustainable living. Vyntelligence, an [award-winning](#) digital work intelligence platform, transforms analogue workflows for deskless workers in the Utilities, Telecoms and Manufacturing industries. By combining data intelligence with the effective use of smart AI, smart data capture and remote collaboration to close the loop, Vyntelligence has delivered better customer engagement, reduced operational costs and a more proactive safety culture for these businesses. No more forms to fill and no more typing on the mobile. Only Show & Tell with Vyn SmartVideoNotes.

Kapil holds multiple patents in the field of smart data capture and smart recommendations. He earned an exec MBA at **London Business School** and is an Electrical Engineer from Indian Institute of Technology - Delhi.

Kapil loves music, particularly playing the Tabla. He also enjoys Yoga, sports and walking in new cities.

Ms. Neetika Saithe (Discussant)

Vice President, GRE&T Centre, Alectra Inc.



Neetika Sathe is the Vice President of the Alectra Green Energy & Technology Centre (GRE&T Centre), where she leads innovation projects in the energy industry.

Through Neetika's direction, the GRE&T Centre is Alectra's latest step to be at the forefront of exciting industry changes to make energy innovations come to life by identifying, evaluating, developing, and accelerating emerging, green, clean, and customer-friendly energy solutions across Alectra's service territory.

Previously, Neetika was the Chief Marketing Manager for Nissan LEAF and Cross-Overs in Canada, responsible for sales and profitability for her portfolio, including the launch of the Nissan LEAF in Canada. Neetika's career path has seen her hold various positions in Corporate Development, Marketing, Supply Chain Management, Strategic Planning, and Finance.

Neetika serves on the board of several industry associations, such as Electric Mobility Canada, and serves as Chair on the Board of NSERC Energy Storage Technology (NEST) Network and the National Electricity Roundtable.

Neetika holds a Master's degree in Physics from Panjab University, and an MBA from McMaster University.