



INTELLECTUAL PROPERTY RIGHTS AND INNOVATION IN THE FOURTH INDUSTRIAL REVOLUTION

STRENGTHENING CANADA'S INNOVATION PERFORMANCE IN THE GLOBAL ECONOMY

PROGRAM | March 22-23, 2016

Four Seasons Hotel, Toronto, Ontario



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AGENDA

As of March 16, 2016. Subject to change. All events will take place at the Four Seasons Hotel. Meeting sessions will take place in the Aria Room West. Lunches will be served in the Aria Room East.

For Ontario lawyers, this program is eligible for up to nine substantive hours.

TUESDAY, MARCH 22, 2016

Four Seasons Hotel, Aria Room West
Toronto, Ontario

8:00–9:00 A.M. REGISTRATION AND BREAKFAST

9:00–9:15 A.M. OPENING REMARKS

Oonagh Fitzgerald, Director of the International Law Research Program (ILRP),
Centre for International Governance Innovation (CIGI)

Jim Balsillie, Founder and Chair of CIGI, former CEO of Research In Motion
(BlackBerry), Chair of Council of Canadian Innovators

**9:15–10:45 A.M. SESSION 1: INTELLECTUAL PROPERTY RIGHTS AS A DRIVER OF
GLOBAL INNOVATION IN THE FOURTH INDUSTRIAL REVOLUTION**

Innovation is a complex subject and there is no single effective policy formula to encourage global innovation. Intellectual property (IP) laws and policies are presumed to be a key component of innovation frameworks necessary to achieve policy goals more effectively. This session aims to discuss the main characteristics of innovation in the Fourth Industrial Revolution and the interrelationship between innovation, IP rights and economic growth. The session addresses the following questions:

- What are the principal factors driving innovation in the Fourth Industrial Revolution?
- What role does IP play within the innovation spectrum?
- What can be the impact of IP policies and regulations on innovation and economic growth?

Moderator: Rohinton P. Medhora, President, CIGI

Panel:

1. **Michael Bloom**, Vice-president, The Conference Board of Canada
2. **John Zysman**, University of California, Berkeley
3. **Dan Breznitz**, Munk School, University of Toronto
4. **Richard Gold**, Faculty of Law, McGill University

10:45–11:00 A.M. HEALTH BREAK

11:00 A.M.–12:30 P.M. SESSION 2: MODALITIES OF MEASURING THE IMPACT OF IP RIGHTS ON INNOVATION

This session is designed to address the question of how IP rights can foster or discourage innovation from an empirical perspective. Its focus is on deepening our understanding of how IP rights or specific forms of IP rights actually operate in practice as vehicles of innovative outcomes. This session will also explore the existing gaps in the current innovation policies and the research methodology(ies) required to fill these gaps.

Topics include:

- What are the appropriate metrics for measuring the impact of IP on innovation?
- What are the conditions that should be present for an IP strategy to foster innovation?
- How can the impact of IP rights be measured for emerging innovation technologies?

Moderator: Keith Nurse, University of the West Indies

Panel:

1. **Keith E. Maskus**, University of Colorado
2. **Mariagrazia Squicciarini**, Directorate for Science, Technology and Innovation, OECD
3. **Yann Ménière**, Chief Economist, European Patent Office
4. **Joël Blit**, University of Waterloo

12:30–1:45 P.M. LUNCH AND KEYNOTE SPEAKER

Keynote Speaker: Yann Ménière, Chief Economist, European Patent Office: “Europe Industry 4.0: Digitalization for Productivity and Growth”

1:45–3:15 P.M. SESSION 3: THE ROLE OF UNIVERSITIES IN INNOVATION AND TECHNOLOGY TRANSFER

There is an international and national recognition of the importance of academic participation in innovation, technology transfer and entrepreneurship. Specifically, there is a growing expectation that academia will expand its role beyond teaching, academic research and public service and more directly contribute to the revival and development of the world economy given the global shift towards more knowledge based economies and decline of industrial research. In Canada, statistics show that the IP rights generated through such university R&D aren't being effectively commercialized or being used optimally to drive innovation. This session will explore the following questions:

- What are some of the challenges surrounding the commercialization and/or utilization of university-generated IP?
- What avenues can be explored to achieve more effective commercialization and/or utilization of university-generated IP?
- What are the main characteristics of an effective entrepreneurship ecosystem?



Moderator: Konstantinos Georgaras, Senior Director of Policy, International Affairs and Economic Research Office, Canadian Intellectual Property Office

Panel:

1. **Tania Bubela**, University of Alberta
2. **Chris Lumb**, CEO, TEC, Edmonton
3. **Terry Sachlos**, York University
4. **Cynthia Shippam-Brett**, Avigilon Corporation, British Columbia

3:15–3:30 P.M.

HEALTH BREAK

3:30–5:00 P.M.

SESSION 4: NEW FRONTIERS FOR INTERNATIONAL INTELLECTUAL PROPERTY LAW IN THE FOURTH INDUSTRIAL REVOLUTION

In an era of rapid technological change, the landscape of IP rights law is changing to embrace new concepts, redefined concepts and unconventional forms of IP rights. Emerging technologies, such as self-driving cars, the Internet of Things, 3D printing, robotics and nanotechnology, are all areas in which current approaches, rules and ideologies of IP rights are still developing internationally. The relative “newness” of these concepts makes our dialogue about their protection, enforcement and relevance within the international IP rights regime all the more salient. Questions and themes include: smart technology protection; Internet of Things and methods of doing business; and legal challenges associated with 3D printing.

Moderator: Ariel Katz, Faculty of Law, University of Toronto

Panel:

1. **Michael Geist**, Faculty of Law, University of Ottawa
2. **Lucas S. Osborn**, Norman Adrian Wiggins School of Law, Campbell University
3. **Paul Banwatt**, General Counsel, Matter and Form, Inc.
4. **Krishna Pathiyal**, Cisco Systems (US)

5:00–6:00 P.M.

RECEPTION

7:00–9:00 P.M.

PRIVATE DINNER BY INVITATION

WEDNESDAY, MARCH 23, 2016

Four Seasons Hotel, Aria Room West

8:00–9:00 A.M. BREAKFAST

9:00–10:30 A.M. SESSION 5: COLLABORATIVE MECHANISMS OF INNOVATION AND THEIR IMPLICATIONS FOR THE TRADITIONAL IP RIGHTS PARADIGM

This session is designed to discuss the emergence of numerous collaborative mechanisms for sharing innovation, including open innovation, patent commons, pools and pledges. One feature these initiatives have in common is the way in which they treat IP rights — namely, they exhibit an emphasis on sharing of information and know-how, (cross-) licensing, and the participation of a community in the creation and management of IP. Although some of these initiatives are premised on the subsistence of property rights in certain ideas or expressions of ideas, the model by which these initiatives give rise to innovation is, in some ways, at odds with a fundamental tenet of IP protection: the exclusive rights for the inventor. This discord between exclusivity and inclusivity raises the question: to what degree is protection of IP a necessity for innovation to take place?

- What do the aforementioned initiatives tell us about how actors use IP?
- What are the appropriate collaborative mechanisms that can be introduced domestically or internationally?
- How should our laws and policies take account of cutting-edge initiatives in information sharing and technology transfer?

Moderator: Bassem Awad, Deputy Director and Theme Leader, International Intellectual Property Law and Innovation, ILRP, CIGI

Panel:

1. **Richard Gold**, Faculty of Law, McGill University
2. **Shigeharu Yoshii**, President and CEO, Japan IP Bridge
3. **Brett Korte**, Environmental Law Institute, Washington
4. **Andrew W. Torrance**, School of Law, University of Kansas

10:30–10:45 A.M. HEALTH BREAK

10:45 A.M.–12:15 P.M. SESSION 6: ETHICAL CONSIDERATIONS FOR IP LAWYERS IN THE STRATEGIC MANAGEMENT OF IP ASSETS

Intellectual property assets are a critical component of private enterprise in the knowledge-based economy. In this new economic order, it is imperative that businesses become more attuned to the mechanics of each form of IP but also to the strategic management of their IP portfolios as part of their overall business objectives. It is impossible to do so without the practice of ethics as a legal framework and guide for lawyers in IP litigation.

This session is for lawyers who work with IP-based start-up companies, individual innovators and entrepreneurs interested in understanding how to engage effectively with the legal profession. At the end of the session, lawyers will have gained insights into avoiding and managing conflicts of interest, developing and maintaining the solicitor-client relationship, and effectively communicating with clients in different IP settings and sectors.



Moderator: Oonagh Fitzgerald, Director, ILRP, CIGI

Panel:

1. **Maya Medeiros**, Partner, Norton Rose Fulbright
2. **Kevin LaRoche**, Partner, Borden Ladner Gervais
3. **Nathaniel Lipkus**, Partner, Osler LLP; Past Chair of IPIC Trade Policy Committee
4. **Myra Tawfik**, Senior Fellow, ILRP, CIGI
5. **Karima Bawa**, Senior Fellow, ILRP, CIGI

12:15–1:15 P.M.

LUNCH

1:15–2:45 P.M.

SESSION 7: ETHICAL CONSIDERATIONS FOR IP LAWYERS IN THE COMMERCIALIZATION OF EMERGING TECHNOLOGIES

The acquisition and commercialization of IP rights includes the processes of identifying and extracting value from IP. This session discusses the role of lawyers in the commercialization of IP, and the ethical responsibilities involved in such tasks.

This session is for lawyers who work on the commercialization of new technologies, and for individual innovators and entrepreneurs interested in understanding how to engage effectively in the legal profession. The session will discuss the following rules related to professionalism: the obligation to notify the client or insurer of omissions and errors, good faith and sharp practice as lawyer responsibility, ethical advocacy in appearances before courts and tribunals, and in the discussion/settling of infringement disputes in boardrooms, avoidance of conflicts of interest, and striking an appropriate balance between the ability to pay and reasonable fees and disbursements.

Moderator: Justice Roger T. Hughes, Federal Court of Canada

Panel:

1. **George S. Takach**, Senior Partner, McCarthy-Tétrault
2. **Shawn Langlois**, Senior Associate, Torys LLP
3. **Jason Hynes**, Partner, Bereskin & Parr
4. **Margaret Ann Wilkinson**, Faculty of Law, University of Western Ontario

2:45–3:00 P.M.

CLOSING REMARKS

PARTICIPANT BIOGRAPHIES

Bassem Awad is deputy director and theme leader of international intellectual property law and innovation, with CIGI's International Law Research Program. In this role, Bassem provides strategic guidance and operations coordination and management of the thematic area.

At CIGI, his current research focuses on the role of intellectual property (IP) rights in addressing the global challenge of climate change and sustainable development in the international trading system; the possible impact of patent laws on access to environmentally rational technology; and the best practices policy regulation, including global patent pledges for climate change technology innovation. Bassem has served as a judge at the Appeal Court in Egypt and the United Arab Emirates, and as a consultant for the African Union. He also works as a head tutor for the Academy of the World Intellectual Property Organization. He teaches advanced courses on IP rights at the Faculty of Law, University of Western Ontario.

Bassem received his Ph.D. and LL.M. degrees in IP from the University of Montpellier in France, and an LL.M. in international business law from the University of Paris 1 Panthéon-Sorbonne. His research interests include patent law, copyright law, IP and development and governance of IP rights. He is a member of the International Association for the Advancement of Teaching and Research in Intellectual Property and the Editorial International Committee of the journal *Cahiers de Propriété Intellectuelle*.

Paul Banwatt is general counsel at Matter and Form Inc., a company that makes 3D scanning hardware, software, and content management tools. Paul is a lawyer licensed to practice in New York and Ontario. Before joining Matter and Form, he was an associate at Gilbert's LLP in Toronto. Paul has regularly lectured on 3D printing and scanning law, including for the Intellectual Property Institute of Canada and the Licensing Executives Society. He is also the founder and main contributor for the 3D printing and scanning law blog "Law in the Making," which was featured in the March/April 2014 issue of *Landslide*, the IP magazine of the American Bar Association.

Jim Balsillie is a former chairman and co-CEO of Research In Motion (BlackBerry). He currently chairs the board of directors of Sustainable Development Technology Canada and the Council of Canadian Innovators. He is also the founder of the Centre for International Governance Innovation, the Balsillie School of International Affairs and the Arctic Research Foundation, and is the co-founder of Communitech. He was the only Canadian ever appointed to the US Business Council and the sole private sector representative on the UN Secretary-General's High Panel for Sustainability. His awards include Mobile World Congress Lifetime Achievement Award, India's Priyadarshni Academy Global Award, *Time Magazine's* World's 100 Most Influential People, and has been listed three times on Barron's "World's Top CEOs."

Karima Bawa is a CIGI senior fellow. She leads a project that examines current IP regimes and how long-term policies and supporting structures can be adapted to optimize Canadian university-driven IP, as well as working with CIGI Senior Fellow Myra Tawfik on a massive open online course (MOOC) on IP strategy that targets a general audience and is scheduled for public release in summer 2016. Prior to her role at CIGI, Karima was the chief legal officer and general counsel at Research In Motion (BlackBerry). In the 12 years she served at Research In Motion, she was a valued member of the senior leadership team and oversaw a global legal team. She was also a member of various strategic and operational senior management committees. One of her key responsibilities was to oversee critical and multi-jurisdictional IP litigation that threatened the ongoing operations of the company.

Karima is a graduate of Simon Fraser University's executive M.B.A. program and bachelor of science program. She also obtained a law degree from the University of British Columbia, and has completed the Rotman Directors Education Program and holds an ICDD designation. Karima is also the chair of Algolux Inc., the vice chair of the Vancouver Public Library Foundation Board and a member of the Health Professions Review Board.



Joël Blit is a CIGI senior fellow. He is currently researching the topic of innovation, focusing on Canada as a regional example in the global economy. The areas he will be exploring include IP rights, closing Canada's innovation gap, and the link between Canadian immigration and innovation.

Joël is assistant professor of economics at the University of Waterloo, with expertise in the economics of innovation, technology clusters, intellectual property, entrepreneurship, international trade and multinational corporations.

Previously, he was assistant professor of economics and international affairs at the Elliott School of International Affairs at George Washington University. Joël holds a Ph.D. in international economics from the University of Toronto, an M.A. in economics from the University of Western Ontario, an M.B.A. from INSEAD, an M.Sc. in computer engineering from the University of Waterloo and a B.Sc. in engineering science from the University of Toronto.

He has extensive experience in the private sector where, as a consultant, he worked in the Canadian, Australian and Asian banking industries, providing high-level strategic advice on various operational, sales and change management projects. He has formulated the strategy for a US\$100 million start-up, and has provided expert testimony and advisory services to the online music industry. Joël is also on the advisory board of the Creative Destruction Lab, a pre-eminent Canadian accelerator for high-tech ventures.

He is the recipient of numerous awards, research grants and distinctions. His dissertation was a finalist for the global Barry M. Richman Best Dissertation Award in International Business.

Michael Bloom is the vice-president (Industry and Business Strategy) at The Conference Board of Canada. Michael is responsible for managing seven research groups, oversees funded research projects and executive networks at the Conference Board, and has management responsibility for 19 executive networks. Corporately, Michael is executive lead for the Centre on Skills and Post-Secondary Education, a major five-year initiative that is developing a Skills and PSE Strategy for Canada, based on a program of 52 research projects, and creating pathways tools for learners to navigate through education and training to jobs and careers across Canada. He also leads the Centre for Business Innovation, whose goal is to improve firm-level business innovation in Canada as a cornerstone of improved national competitiveness and prosperity; the National Immigration Centre, which is developing a National Immigration Action Plan for Canada; and the Centre for Food in Canada, for which he authored the Canadian Food Strategy, released in 2014, and directed development of the Annual Report Card on Food in Canada—Performance and Potential.

Recent major research projects under his direction and studies authored by him include: *From Opportunity to Achievement: Canadian Food Strategy* (2014); *Governing Food: Policies, Laws and Regulations for Food in Canada* (2011); *Saskatchewan in the Spotlight: Acquisition of Potash Corporation of Saskatchewan Inc.—Risks and Opportunities* (2010); *Navigating Through the Storm: Leaders and the World of Work in 2020* (2010); *Building From the Ground Up: Enhancing Affordable Housing in Canada* (2010); *Healthy People, Healthy Performance, Healthy Profits: The Case for Business Action on the Socio-Economic Determinants of Health* (2009); *Turning Green Into Gold: Green Marketing for Profit* (2009); *Learning and Development Outlook 2009* (2009); *“Hollowing Out”: Myth and Reality: Corporate Takeovers in an Age of Transformation* (2008). Michael is a graduate of the University of Oxford (D.Phil.) and Carleton University (B.A., M.A.).

Dan Breznitz is a professor and Munk Chair of Innovation Studies, with a cross-appointment to the Department of Political Science. He is also co-director of the Innovation Policy Lab at the Munk School and the director of Academic Research. Dan is known worldwide as an expert on rapid-innovation-based industries and their globalization, as well as for his pioneering research on the distributional impact of innovation policies. He has been an advisor on science, technology and innovation policies to multinational corporations, governments and international organizations such as the World Bank, the World Economic Forum, TEKES, IFC, Fundación Chile, the United Nations and the US-Israel Science and Technology Foundation. In 2001, he was awarded the GTRC 75th

Anniversary Innovation Award for Public Service, Leadership and Policy for this work. In 2008, Dan was selected as a Sloan Industry Studies Fellow. Breznitz spent eight years at the Georgia Institute of Technology (Georgia Tech) as a professor in the Scheller College of Business, the Sam Nunn School of International Affairs and the School of Public Policy before moving to Toronto in 2013. In an earlier life, he founded and served as a CEO of a small software company.

Dan's work has been sponsored by the National Science Foundation, USCC, Sloan Foundation, the Kauffman Foundation, EI2, Connect Innovation Institute, the Samuel Neaman Institute for Advanced Studies, the Bi-National Science Foundation, the Institute for Information Infrastructure Protection, and the National Bureau of Economic Research.

Tania Bubela is professor and associate dean (Research) in the School of Public Health and adjunct professor in the Alberta School of Business at the University of Alberta. She joined the faculty of the University of Alberta in 2004 after clerking for the Honourable Louise Arbour at the Supreme Court of Canada, articling at Field Law LLP in Edmonton, and being called to the Bar (Law Society of Alberta) in 2005. Her research program in IP and health law related to translational biomedical research brings together her legal training and a Ph.D. in biology and expertise in genetics and molecular biology. Her research program focuses on large collaborative science networks in genomics, gene therapy and stem cell biology, addressing barriers to the effective translation of new technologies. These are varied and include ethical issues, effective communication of risks and benefits among stakeholder groups, commercialization and regulation. She provides advice for government health and science agencies, as well as life sciences research communities and patient organizations. Her research is funded by the Canadian Institutes of Health Research, the Canadian Stem Cell Network, Genome Canada, and Alberta Innovates — Health Solutions, among others. She co-leads the PACEOMICS program on the development of cost-effective personalized medicine and the Alberta Ocular Gene Therapy Team, which is developing novel gene therapies and conducting a phase I clinical trial of the NighstaRx AAV2-REP1 product for choroideremia. She has nearly 100 publications in law, ethics and science policy journals, including *Nature*, *Nature Biotechnology*, *Cell Stem Cell*, *PLoS Biology*, *Trends in Biotechnology*, *American Journal of Bioethics* and *Science Translational Medicine*.

Oonagh Fitzgerald is the director of the International Law Research Program at the Centre for International Governance Innovation, where she oversees its international economic, environmental, intellectual property law and innovation research agenda. She has extensive experience as a senior executive in the federal government, providing legal services and leadership in international law.

As national security coordinator for the Department of Justice Canada from 2011 to 2014, Oonagh ensured strategic leadership and integration of the department's policy, advisory and litigation work related to national security. From 2007 to 2011, she served as the Department of National Defence and Canadian Forces legal adviser, leading a large, full service corporate counsel team for this globally engaged, combined military and civilian institution. Before this, Oonagh served as acting chief legal counsel for the public law sector of the Department of Justice and special adviser for international law. Oonagh served as assistant secretary legislation, house planning/counsel at the Privy Council Office from 2000 to 2003. Prior to this she held various positions in the Department of Justice: senior general counsel and director general, Human Resources Development Canada Legal Services Unit; general counsel and director, International Law and Activities Section; senior counsel for regulatory reform; and legal adviser, Human Rights Law Section.

Oonagh has a B.A. (honours) of fine arts from York University (1977). She obtained her LL.B. from Osgoode Hall Law School (1981), and was called to the Bar of Ontario in 1983. She obtained an LL.M. from the University of Ottawa (1990), her S.J.D. from the University of Toronto (1994) and an M.B.A. from Queen's University (2007).



Michael Geist is a law professor at the University of Ottawa, where he holds the Canada Research Chair in Internet and E-commerce Law. He obtained an LL.B. from Osgoode Hall Law School in Toronto, LL.M. degrees from Cambridge University and Columbia Law School, and a J.S.D. from Columbia Law School. Michael has written numerous academic articles and government reports on the Internet and law, and was a member of Canada's National Task Force on Spam. He is an internationally syndicated columnist on technology law issues, with his regular column appearing in the *Toronto Star*, *Ottawa Citizen*, and the BBC. He is the editor of *In the Public Interest: The Future of Canadian Copyright Law*, published in 2005 by Irwin Law, the editor of several monthly technology law publications, and the author of a popular blog on Internet and IP law issues. Michael serves on the Privacy Commissioner of Canada's Expert Advisory Board, the Canadian Digital Information Strategy's Review Panel, the Electronic Frontier Foundation Advisory Board, and on the Information Program Sub-Board of the Open Society Institute. He has received numerous awards for his work, including the Les Fowlie Award for Intellectual Freedom from the Ontario Library Association in 2009, the Electronic Frontier Foundation's Pioneer Award in 2008, Canarie's IWAY Public Leadership Award for his contribution to the development of the Internet in Canada, and he was named one of Canada's Top 40 Under 40 in 2003.

Konstantinos Georgaras joined the Canadian Intellectual Property Office, a special operating agency of Innovation, Science and Economic Development Canada, in 2010 as the senior director of the Policy, International Affairs and Economic Research Office.

He is responsible for providing agency leadership in the development and implementation of IP policies for the effective and efficient administration of IP rights in Canada; representing the Canadian delegation on various bilateral and multilateral committees, such as World Intellectual Property Organization committees and the Asia-Pacific Economic Cooperation IP Experts Group to develop and advance Canadian IP positions and interests internationally; leading a program of economic research and analysis to identify and evaluate national and international trends and developments, and policies, strategies, plans and initiatives to support IP in Canada.

In his career spanning 32 years in the Canadian public service, Konstantinos has had experience in the departments of Innovation, Science and Economic Development Canada, Finance Canada, Human Resources and Skills Development Canada and in the Science, Technology and Innovation Council. He has extensive experience spanning strategic policy, economic and legislative policy and tax policy, with direct responsibilities for IP, innovation, industrial and labour market policies.

Richard Gold is a James McGill Professor and associate dean of Graduate Studies in the Faculty of Law at McGill University. He was the founding director of the Centre for Intellectual Property Policy at McGill. He teaches in the areas of IP, international IP, comparative IP, innovation policy and IP management. His research generally focuses on the life sciences.

Richard has provided advice to Health Canada, Industry Canada, the Canadian Biotechnology Advisory Committee, the Ontario Ministry of Health and Long-Term Care, the Organisation for Economic Co-operation and Development (where he was the lead author of the OECD Guidelines on the Licensing of Genetic Inventions and a report on Collaborative Mechanisms in Life Science Intellectual Property), the World Health Organization, the World Intellectual Property Organization and UNITAID.

His research is currently supported by the Social Sciences and Humanities Research Council, Genome Canada, Genome Alberta, Genome Prairie, Genome Quebec, the Canadian Institutes of Health Research and Grand Challenges Canada. He is a research associate at the Health Law Institute at the University of Alberta and was a Jean Monnet Fellow at the European University Institute. His research has been published in high-impact journals in science, law, philosophy, and international relations, including *Nature Biotechnology*, *The Lancet*, *PLoS Medicine*, *la Revue de droit de McGill*, *Public Affairs Quarterly*, *International Studies Quarterly*, the *European Journal for International Relations*. He has filed amicus briefs with the Supreme Court of the United States and with the United States Court of Appeals for the Federal Circuit.

Justice Roger T. Hughes was educated at Queen's University (B.Sc.) and the University of Toronto (LL.B.). He was called to the Bar of Ontario in 1968 and Alberta in 1976. He was appointed Queen's Counsel in 1984, and was an associate and partner at Sim, Hughes, Ashton & McKay and Sim & McBurney from 1969 to 2005. He is a certified specialist in Intellectual Property Law and in Civil Litigation, Law Society of Upper Canada; a fellow with the Chartered Institute of Arbitrators; a fellow with the American College of Trial Lawyers; and a fellow with Intellectual Property Institute of Canada. He has been a registered professional engineer since 1964, a registered trademark agent since 1968, and a registered patent agent since 1969. He is the past president of the Patent and Trademark Institute of Canada, past director of the Advocates' Society, and a frequent speaker on court practice and procedure; patent, trademark and copyright law; and media and entertainment law. He was appointed a judge of the Federal Court, and ex officio member of the Federal Court of Appeal, in 2005. He was appointed a judge of the Court Martial Appeal Court of Canada in 2006.

Jason Hynes is a partner at Bereskin & Parr LLP in Waterloo. His patent practice focuses on mechanical, telecommunications and software innovations. In particular, he has a strong interest in working with high-tech entrepreneurs and start-ups. Jason also assists clients in trademark, copyright, trade secret and related IP licensing matters and disputes.

Prior to joining Bereskin & Parr, Jason gained valuable industry experience in litigation and patent preparation while working for a worldwide mobile communications company. Jason also gained experience in mechanical design and manufacturing engineering while completing his undergraduate co-op terms in the automotive and high-tech manufacturing fields.

Jason is vice-chair of the Intellectual Property Institute of Canada's Information Technology Committee and a member of their Trade Policy Committee. He is also the chair of the Kitchener-Waterloo Intellectual Property Group. Jason is an adjunct professor in the Faculty of Law at Western University, where he teaches a course on advanced intellectual property.

Ariel Katz is an associate professor in the Faculty of Law at the University of Toronto, where he holds the Innovation Chair in Electronic Commerce. Ariel received his LL.B. and LL.M. from the Hebrew University of Jerusalem and his S.J.D. from the University of Toronto. His general area of research involves economic analysis of competition law and IP law, with allied interests in electronic commerce, pharmaceutical regulation, the regulation of international trade, and in particular the intersection of these fields. Between 2009 and 2012, Ariel was the director of the Centre for Innovation Law and Policy. Prior to joining the University of Toronto, he was a staff attorney at the Israeli Antitrust Authority. While there, he litigated several merger appeals and restrictive arrangements cases before the Antitrust Tribunal and negotiated regulatory settlements. He currently teaches courses on IP, cyberlaw and the intersection of competition law and IP, and shares some of his current thoughts on these issues on his blog.

Brett Korte is a staff attorney at the Environmental Law Institute (ELI) in Washington, DC. In ELI's Research and Policy Department, Brett provides legal consultation to domestic and international partners on various issues of environmental law. He is also managing the Eco-Patent Commons initiative hosted by the ELI.

Brett is ELI's director of professional education, designing and facilitating educational seminars on emerging issues in environmental law and policy, and director of ELI's Boot Camp, working with a team of preeminent practitioners in various specialties to provide participants with an intensive three-day overview of US environmental law. He works with ELI's Associates Department to reach environmental professionals, building the organization's membership network, and furthering ELI's mission.



Shawn Langlois is a senior associate at Torys LLP. He focuses on all aspects of corporate and commercial law, including serving on teams acting on corporate transactions, including advising on M&A transactions. Before joining Torys, Shawn worked as an independent legal adviser, with a particular emphasis on technology licensing, information technology and IP. Prior to this experience, he was director of Technology Licensing for a large telecom company in Canada. Shawn was also previously legal counsel for the Department of Justice in Ottawa in the areas of IP, commercial and Crown law.

Kevin LaRoche is a partner in Borden Ladner Gervais Intellectual Property Group. He is certified by the Law Society of Upper Canada as a specialist in Intellectual Property Law (Patent).

He has broad and substantial litigation experience, having acted as defence counsel in major criminal cases from 1987 to 1992, counsel in insurance cases from 1990 to 1994, and as a lead commercial litigator from 1994 to 2000. Since 2000, Kevin has focused on technology-based and complex litigation, in fields such as oil and gas services, software, medical treatment technologies, cybersecurity and epidemiology/ statistics. Much of this work has been done in the context of patent and product liability cases. He has argued trial-level cases in the Federal Court, Ontario Superior Court, Ontario Divisional Court and the Cour supérieure du Québec. He has appeared as well before the Ontario Court of Appeal, the Federal Court of Appeal and the Supreme Court of Canada. He has also appeared in commercial arbitrations, including pricing arbitrations, and before administrative tribunals such as the National Energy Board. He has also written extensively on commercial IP issues, including IP insurance and collateralization/securitization. He is a co-editor of *The Business of Innovation: Intellectual Property Transactions in Canada*, to be published by Thomson/Carswell in 2016.

Nathaniel Lipkus is a partner at Osler LLP in Toronto and past chair of the IPIC Trade Policy Committee. His practice focuses on contentious legal issues confronting innovation-intensive industries, with an emphasis on patent and regulatory issues facing pharmaceutical and biotechnology companies.

Nathaniel has represented numerous companies in the life sciences, technology, energy and gaming industries in patent proceedings across Canada and *pro hac vice* in the United States. He has also litigated trademark, copyright, trade secret and other commercial matters. Nathaniel is lead counsel for the Children's Hospital of Eastern Ontario, in Canada's only patent litigation involving claims to human genes, representing the hospital pro bono. He has also advocated on behalf of life sciences clients before numerous regulatory agencies in Canada and the United States on IP, regulatory approval, pricing and reimbursement, and antitrust matters.

Nathaniel is a registered patent and trademark agent. In addition to his role as advocate, he provides strategic advice on IP portfolio and risk management. He has assisted companies in a variety of innovation-intensive industries by coordinating IP, regulatory and commercial strategies.

Chris Lumb has been CEO of TEC Edmonton, a technology accelerator created by the University of Alberta and the Edmonton Economic Development Corporation, since 2009. Through a variety of commercialization services, including IP management, business planning and mentoring, market research, financing strategies and the TEC Centre incubation facility, TEC Edmonton's programs contribute to Edmonton's being one of North America's leading regions for wealth creation through innovation. Working with researchers, entrepreneurs and investors, TEC Edmonton transforms technologies into viable companies.

From 1994 to 2009, Chris was the CEO of Micalyne, Inc. He was involved in all aspects of Micalyne's development, including leading its transition from a university-owned not-for-profit to a privately held commercial company, growing annual revenues to more than \$28 million, and delivering long-term profits and return on equity to its shareholders. Chris is a board member and former chair of CMC Microsystems, board member for ACAMP, Radiant Technologies, Cleankeys, Inc., and Startup Edmonton. His career has been centred around building commercial success for advanced technologies, and management of technology organizations to ensure they are profitably focused on addressing market needs.

Keith E. Maskus is professor of economics and former associate dean for Social Sciences at the University of Colorado, in Boulder. He has been a lead economist in the Development Research Group at the World Bank. He is also a research fellow at the Peterson Institute for International Economics, a fellow at the Kiel Institute for World Economics, and an adjunct professor at the University of Adelaide. He has been a visiting professor at the University of Bocconi and a visiting scholar at the CES-Ifo Institute at the University of Munich and the China Center for Economic Research at Peking University. He serves as a consultant for the World Bank and the World Intellectual Property Organization, and recently chaired a panel of the National Research Council on IP management in standards-setting organizations.

Keith received his Ph.D. in economics from the University of Michigan in 1981 and has written extensively about various aspects of international trade. His current research focuses on the international economic aspects of protecting IP rights. He is the author of *Intellectual Property Rights in the Global Economy*, published by the Institute for International Economics, and co-editor of *International Public Goods and the Transfer of Technology under a Globalized Intellectual Property Regime*, published by Cambridge University Press. A new volume, *Private Rights and Public Problems: The Global Economics of Intellectual Property in the 21st Century*, was published in 2012 by the Peterson Institute for International Economics.

Maya Medeiros is a partner at Norton Rose Fulbright. Her practice focuses on the creation, protection, management, monetization and enforcement of IP assets in Canada, the United States and around the world.

Maya advises her clients on patent, trademark, copyright, industrial design, licensing, litigation, research and development, collaboration and transactional matters. She prepares and prosecutes domestic and international patent and trademark applications. She manages international IP portfolios, including coordinating foreign associates for foreign application prosecution. Maya develops tailored IP policies with in-house programs and customized workflows. She works with IP holders, acquirers, and licensors/licensees in the preparation and negotiation of IP acquisition agreements, patent licenses, technology transfers, confidentiality agreements, and development and collaboration agreements. She assists with due diligence, landscape and freedom-to-operate evaluations.

Maya works with a variety of organizations, from global enterprise businesses to start-ups, growth ventures and not-for-profits. She is proficient in a wide range of technologies, including computer hardware and software, financial and payment systems, mathematical, video and image processing, memory management, mobile and wireless, natural language processing, telecommunication, gaming, green, electronic learning, business system, vehicle computing system, healthcare and medical device, wearable and micro-electronic device, cryptography, social and peer-to-peer networking, energy, building and advertising innovations.

Rohinton P. Medhora is president of the Centre for International Governance Innovation, joining in 2012. He served on CIGI's former International Board of Governors from 2009 to 2014. Previously, he was vice president of programs at Canada's International Development Research Centre.

Rohinton received his doctorate in economics in 1988 from the University of Toronto, where he also subsequently taught for a number of years. In addition to his Ph.D., Rohinton earned his B.A. and M.A. at the University of Toronto, where he majored in economics. His fields of expertise are monetary and trade policy, international economic relations, aid effectiveness and development economics. He has published extensively on these issues in professional and non-technical journals, and produced two books: *Finance and Competitiveness in Developing Countries* (Routledge, 2001); and *Financial Reform in Developing Countries* (Macmillan, 1998), which he co-edited with José Fanelli. In 2013, he was co-editor of *Canada-Africa Relations: Looking Back, Looking Ahead*, which is volume 27 in the influential Canada Among Nations book series. In 2014, he co-edited *International Development: Ideas, Experience, and Prospects* (Oxford University Press) and *Crisis and Reform: Canada and the International Financial System*, which is volume 28 in the Canada Among Nations book series.

Rohinton serves on the boards of the Institute for New Economic Thinking, the Partnership for African Social and Governance Research and the Balsillie School of International Affairs, and on the advisory board of the McLuhan Centre at the University of Toronto.



Yann Ménière is professor of economics at MINES ParisTech, currently on leave to serve as the chief economist of the European Patent Office in Munich. The Chief Economist Unit of the EPO was set up to provide economic insights into issues relating to patents, innovation and economic growth. It aims to contribute high-level expertise and analysis to public and expert forums and to foster well-informed debate. Its studies on the economic and societal aspects of patents in Europe have been commended as providing important evidence to the public.

Before joining the EPO, Yann was heading the Mines-Telecom Chair on IP and Markets for Technology, and has been focusing more specifically on IP and standards, markets for technology and IP issues in climate negotiations. Besides his publications in academic journals, he wrote (with F. Lévêque) *The Economics of Patents and Copyright* (Berkeley Electronic Press, 2004). He also produced various policy reports for the European Commission, French government, French Patent Office and other public organizations. Outside MINES ParisTech, he has been teaching the economics of IT standards at Imperial College Business School (UK) and the economics of IP law at the Law School of the Université Catholique de Louvain (Belgium). He was also an economic expert with Microeconomix and Ecorys, two consulting firms specializing in economics applied to law, and public policy, respectively.

Keith Nurse is a senior fellow at the Sir Arthur Lewis Institute for Social and Economic Studies and the World Trade Organization Chair at the University of the West Indies (UWI). He is the former executive director of UWI Consulting Inc. and director of the Shridath Ramphal Centre for International Trade Law, Policy and Services, UWI. He is also a member of the teaching faculty at the Arthur Lok Jack School of Business, Trinidad and Tobago. He has published on a broad range of topics, including trade policy, aid for trade, diasporas, tourism, creative economy, IP and copyright industries, innovation governance, global value chains and climate change. He has recently been appointed to the International Union of the Scientific Study of Populations' panel on Population and Development in Small Island Developing States and to the Committee for Development Policy, a subsidiary body of the United Nations Economic and Social Council, which reviews the status of least-developed countries.

Lucas S. Osborn is an associate professor at the Norman Adrian Wiggins School of Law, Campbell University, and an expert in the area of IP law, with a focus on patent law. He has authored more than half a dozen articles in this area, presented his research more than 20 times across the nation, and been quoted in the *Wall Street Journal*, Bloomberg News and local publications. His most recent works explore 3D printing technology and how it will affect the law, particularly IP law.

Lucas serves as the director of Campbell Law School's Intellectual Property Law Program. Before coming to Campbell Law, he clerked for the Honourable Kenneth M. Hoyt on the United States District Court for the Southern district of Texas and served as an attorney in the Intellectual Property section of Fulbright & Jaworski in Houston, Texas (now Norton Rose Fulbright). At Fulbright, his practice focused on patent litigation, patent prosecution and IP licensing. He is also licensed to practise in front of the US Patent and Trademark office.

Lucas's past work has looked at patent infringement for making an "offer to sell" an infringing device, the doctrine of patentable subject matter and the Federal Circuit's jurisprudence.

Krishna Pathiyal graduated from the University of Oxford with an M.B.A. with distinction, the University of Western Ontario's Faculty of Law with an LL.B., and the University of Ottawa's Faculty of Engineering with an B.Sc. with *magna cum laude* distinction.

Since 2012, Krishna has been based in Silicon Valley as Cisco's senior director in the IP Team of Cisco's Legal Department. He manages Cisco's overall patent development and patent licensing strategy. Prior to Cisco, he was senior director in the Licensing and Standards Department for BlackBerry. As the first dedicated in-house patent counsel at BlackBerry when it was launching the BlackBerry platform in 1999, he was involved in developing and fostering the company's strong IP focus from the ground up. He also has extensive experience in multi-jurisdictional IP enforcement and licensing management. He led the efforts to acquire Nortel's patent portfolio via the Rockstar Consortium. In 2008,

his department was awarded the In-House Patent Management Award — North America category from WorldLeaders International IP Awards. In 2009, he was individually recognized with the Global Counsel Award in IP.

Krishna has been an adjunct professor in the Faculty of Law at the University of Western Ontario and a lecturer and the former director of the Understanding Patents course at McGill University. He is also the coach and mentor for two high school robotics teams and one elementary school robotics team based in Los Gatos, California.

Terry Sachlos is the associate director of the Bergeron Entrepreneurs in Science and Technology (BEST) program at the Lassonde School of Engineering, York University. A serial entrepreneur having co-founded several biotech start-up companies, Terry is also the CSO of Bikanta Corp, a company developing fluorescent nanodiamonds as next-generation medical imaging probes.

Terry completed his doctorate in bone tissue engineering at the University of Oxford on a Bodossaki Foundation Scholarship. His research resulted in the development of a novel 3D ink-jet printing technology for bone tissue engineering, at which point he co-founded Tissue Engineering Oxford (TEOX) Ltd, a university spin-out company to commercialize novel customizable bone grafts for maxillofacial restoration. In his role as CSO of TEOX, Terry was instrumental to winning the Apax Ventures-sponsored Oxford University Business Competition. During his postdoctoral tenure, he specialized in stem cells with Bob Langer at MIT, Debra Auguste at Harvard University and, more recently, with Mick Bhatia at McMaster University. Working with Mick Bhatia and as part of a \$26-million stem cell screening initiative, Terry spearheaded the development of a novel stem cell screening platform that culminated in his 2012 publication in the top-tier journal, *Cell*. This paper identified thioridazine, a drug used for decades to treat schizophrenia, as an agent able to selectively target cancer stem cells present in acute myeloid leukemia (AML) patients. These promising findings have led to the initiation of a clinical trial (NCT02096289) to repurpose thioridazine for relapsed AML patients.

Terry has authored or co-authored 14 peer-reviewed articles and filed eight patent applications, all in the area of regenerative medicine. He is an editorial board member of *Regenerative Medicine* journal.

Cynthia Shippam-Brett is an experienced technology professional with a passion for science, and 20 years' experience in technology transfer, research commercialization, IP protection and research. She is currently an in-house patent agent and manager of intellectual property at Avigilon Corporation, an industry leader in HD network video management software, megapixel cameras, access control and video analytics. Prior to joining Avigilon, Cynthia spent several years with UBC's University-Industry Liaison Office and was a patent agent with a national law firm. She lived the lab-to-market experience as the in-house patent agent for SWITCH Materials, an advanced materials start-up venture from SFU, and took part in an in-depth study of the commercialization strategy of MIT's prolific scientist-entrepreneur Bob Langer. Her experience in research (virology), management, IP strategy, and patent prosecution in several nations provides her with a unique perspective of the intersection of law, business and science. She is a member of the bank of speakers for the Canadian Intellectual Property Office educational programs, and presents regularly to executive audiences. Cynthia is a Canadian and US-registered patent agent, and has a B.Sc. (biochemistry) from the University of Victoria, a Ph.D. (agriculture) from the University of British Columbia, and an M.B.A. from Simon Fraser University.

Mariagrazia Squicciarini is senior economist and head of unit at the Organisation for Economic Co-operation and Development (OECD), within the Directorate for Science, Technology and Innovation (STI). She is responsible for the OECD Working Party on Industry Analysis, which develops indicators and quantitative analysis in the area of innovation and economic performance. Her work encompasses the changing determinants of growth and productivity; the economics of intellectual property rights (IPR); the generation of knowledge-based capital and its relation to economic performance; and participation in global value chains, job and skill patterns. She is responsible for the IPR-related data and analysis work carried out in the directorate, and oversees the STI Microdata Lab initiative, a project aimed at linking micro-level data as firm-specific information, IPR- and scientific publication-data, for indicator and econometric analysis work in support of evidence-based policy making.



She chairs the OECD-led IP Taskforce, which sees the presence of top IPR and statistical offices worldwide and aims to coordinate the work undertaken by national and international institutions in the field of IPR statistics by means of fostering and coordinating statistical and methodological work; exchanging information; enhancing data collection, processing and dissemination; and organizing annual conferences on IPR statistics. She has been a member of the Economic and Scientific Advisory Board of the European Patent Office.

She holds a Ph.D. in economics from the University of Essex (UK) and has had previous appointments at VTT Technical Research Centre of Finland, the University of Essex, the European Commission-Joint Research Centre's Institute for Prospective Technological Studies, and the Italian National Research Centre for the Development of Advanced Materials. She has published a number of scientific papers and policy reports and acts as a reviewer for many international peer-reviewed journals.

George S. Takach is a senior partner with McCarthy-Tétrault's Toronto law firm. George brings significant value to clients in their tech company M&A/financing deals, their sophisticated tech licensing, IT procurement and other tech commercial transactions, and their more challenging e-commerce activities, including projects involving privacy law, cloud computing, big data and social media.

George is listed in the 2016 edition of *Chambers Global: The World's Leading Lawyers for Business*, as the only "eminent practitioner" in the area of information technology for Canada. Since its inception (and most recently in 2016), George has appeared in the *Lexpert/The American Lawyer Guide to the Leading 500 Lawyers in Canada*, as a leading lawyer in the areas of technology and corporate mid-market. George is recognized in *The Best Lawyers in Canada* as a leading lawyer in information technology law and technology law. He is also listed as a leading lawyer in the area of telecommunications, media and technology in the current edition of *Who's Who Legal: Canada*. Since the inception of the *Canadian Legal Lexpert Directory* in 1997, George has been listed as a leading lawyer in the areas of technology law and computer and IT law. George helps clients craft sensible and workable solutions to complex e-commerce-related legal and compliance challenges, including in the privacy law space. In the e-commerce/Internet law area, his extensive practice includes: advising companies on how to create legally compliant online customer experiences, including enforceable "click consent agreements," workable electronic voting processes, etc.; advising governments on law reform initiatives aimed at facilitating e-commerce; helping organizations comply with privacy and data protection laws, and advising clients experiencing a data breach; and crafting and negotiating co-branding, Web-linking and other e-commerce-related agreements.

Myra J. Tawfik is a CIGI senior fellow. Her area of expertise is in IP law, including its comparative and international aspects. At CIGI, she leads a project that explores strategies for capacity-building in IP literacy, IP strategy and the cost-effective provision of IP legal services for start-ups and entrepreneurs. In step with her research, she has co-developed a MOOC on IP strategy with CIGI Senior Fellow Karima Bawa, which targets a general audience and is scheduled for public release in the summer of 2016. She has also adapted the MOOC for law students in an IP strategy course she is currently teaching at the Faculty of Law, University of Windsor.

In addition to her role at CIGI, Myra is professor of law and the academic director and founder of the Law, Technology and Entrepreneurship Clinic at Windsor Law. She was also co-founder and co-director of the Centre for Enterprise and Law at the University of Windsor, a joint venture between the Faculty of Law and the Odette School of Business, which provided student-led business consulting and legal support to start-ups and entrepreneurs until its demise in 2013. She has recently been appointed the EPICentre Professor in IP Commercialization and Strategy at the University of Windsor in order to further her research and outreach projects. She was recognized for her research excellence and activity with CIGI at the University of Windsor's 2014 Celebration of Excellence in Research, Scholarship and Creative Activity.

Andrew W. Torrance is Earl B. Shurtz Research Professor at the University of Kansas School of Law, and a winner of a 2015 University Scholarly Achievement Award at the University of Kansas. He received his Ph.D. in biology from Harvard University in 1997, J.D. from Harvard Law School in 2000, and B.Sc. from Queen's University (Canada) in 1991. Torrance practised biotechnology patent law at Fish & Richardson PC, the world's largest IP law firm, after working as a summer associate at both Morrison & Foerster LLC and Fish & Richardson PC. He served as in-house patent counsel at Inverness Medical Innovations, a global biotechnology company with headquarters in Boston, and as the first in-house patent counsel at Stirling Medical Innovations, a cardiac diagnostics biotechnology company based in Scotland. He is a board member at several companies and nonprofit organizations. Andrew founded the annual Biolaw Conference, and co-founded the leading annual patent conference, PatCon.

Margaret Ann Wilkinson is a professor at Western University. She practised law in Toronto for several years prior to her graduate studies (supported, *inter alia*, by a Social Sciences and Humanities Research Council doctoral fellowship). Her dissertation on personal data protection won the American Society for Information Science Doctoral Award. In 1992, she became jointly appointed to Western's Faculty of Law and the then Graduate School of Library and Information Science (now the Faculty of Information and Media Studies). Fully appointed to the Faculty of Law since 2007, Margaret Ann has taught frequently at the Richard Ivey School of Business and currently supervises graduate students in law and in health information science. Named a Faculty Scholar in 2011 for her achievements in teaching and research, she was awarded the Ontario Library Association Les Fowle Intellectual Freedom Award in 2012, "for her tireless effort in advocating for the principles of balance, user rights and fair dealing on behalf of the Canadian Library community." She is Western Law's director of the area of concentration in Intellectual Property, Information and Technology Law and has recently appeared at the Subcommittee on Copyright and Related Rights of the World Intellectual Property Organization in Geneva.

Shigeharu Yoshii has been a professional corporate executive for more than 20 years, including becoming the youngest member of the corporate compliance committee of the Japan Business Federation (Keidanren). His career includes nearly every aspect of corporate management, from general counsel, to human relations, to brand management.

At Coca-Cola Japan, he gained a deep appreciation of IP, when he led the reorganization of the corporate brand while he was a member of the board and general counsel. As a turn-around manager (COO & CFO) at Ascii — a major Japanese IT publisher — he revived neglected IP and successfully monetized it, turning it into a thriving company. He also turned Sanyo into a profitable company as its top executive, owing in part to monetizing IP but also to the strengthening of Sanyo's organizational capacity for sophisticated IP litigation.

Currently, as CEO of IP Bridge, he is pushing for an organization that will facilitate open innovation, with a particular emphasis on supporting small and medium-sized enterprises and universities.

John Zysman is a professor of political science at the University of California Berkeley, and co-founder of the Berkeley Roundtable on the International Economy. He received his B.A. at Harvard and his Ph.D. at MIT. He has written extensively on European and Japanese policy and corporate strategy; his interests also include comparative politics, Western European politics, and political economy. Professor Zysman's publications include *How Revolutionary Was the Digital Revolution? National Responses, Market Transitions, and Global Technology* (Stanford Business Books, 2006), *The Highest Stakes: The Economic Foundations of the Next Security System* (Oxford University Press, 1992), *Manufacturing Matters: The Myth of the Post-Industrial Economy* (Basic Books, 1987), and *Governments, Markets, and Growth: Finance and the Politics of Industrial Change* (Cornell University Press, 1983).



CIGI Rapporteurs

Sam Anissimov was a member of CIGI's inaugural (2014) Intellectual Property Law Clinic, a collaborative partnership among CIGI, Communitech and three leading Canadian intellectual property law firms. In his role at the clinic, Sam advised emerging technology companies on IP issues and protection strategies. Currently, Sam is a student-at-law with the ILRP at CIGI, where his work involves supporting CIGI's in-house counsel and the ILRP's international IP law research stream.

Marsha Cadogan provides research assistance to ILRP fellows, and writes on Canada, developed and emerging economies' position and future in the global IP order. Marsha is a Ph.D. candidate at Osgoode Hall Law School, York University. Her completed thesis is a critical examination of geographical indications in the Caribbean, with a specific focus on its socio-economic potential in a politicized global IP order. Her broader research interests are in international aspects of IP rights law and its relevance in fostering growth and innovation in developed and emerging economies, primarily through geographical indications, trademarks and copyright policies. Marsha's research interest is multi-jurisdictional, and includes expertise in the IP jurisdictions of the European Union, United States, Switzerland, Japan, Canada and the Caribbean.

Ana Cristina Carvalho is a post-doctoral fellow with CIGI's ILRP. At CIGI, she undertakes advanced interdisciplinary research on both environmental law and intellectual property law. She researches how international law can help promote access to environmental information and a new legal model to spread access to environmental information on a global scale. On IP law, Ana focuses on the development of green technology policies.

Prior to joining CIGI, Ana worked as an attorney and was a professor at Mackenzie Presbyterian University in Brazil. She has taught various law courses for engineering, information technology (IT) and law students for a decade and has been a researcher on interdisciplinary projects regarding law and IT, as well as environmental law. Her research has been published in a number of Brazilian journals, in the MIT LINC Conference Proceedings and in *The International Journal of Sustainability Policy and Practice*. Ana holds an LL.B. from Federal University of Paraiba in Brazil, an LL.M. in international law from the University of Sao Paulo and a Ph.D. in political and economic law from Mackenzie Presbyterian University in São Paulo.

Kent Howe is a researcher with the ILRP at CIGI. He holds a juris doctor from Queen's University's Faculty of Law and a bachelor of medical sciences from the University of Western Ontario. His research at CIGI focuses on IP and innovation policy, including mechanisms for increasing IP knowledge and commercialization capacity among early-stage entrepreneurs.

Kent was previously a summer and articling student with CIGI, during which time he gained experience in the provision of basic IP legal services to early-stage entrepreneurs through CIGI-sponsored IP clinic initiatives.

EVENT INFORMATION

Conference Location

Four Seasons Hotel, Toronto
60 Yorkville Avenue, Toronto, Ontario M4W 0A4 Canada

Tel: 416 964 0411
Fax: 416 964 2301

www.fourseasons.com/toronto/

Internet Access

Internet access will be provided for guests at the event, with a temporary password. Guests staying at the hotel will have complimentary Wi-Fi in their rooms.

Business Centre

The Business Centre is open 24 hours a day, and is located on the second floor of the Function Wing.

Hotel Concierge

Concierge services are available 24 hours a day. The concierge desk is open from 7:00 a.m. to 11:30 p.m. In the intervening hours, services are available at the front desk. Contact a concierge at any time by calling 416 928 7334.

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Should you have any questions, please contact the CIGI staff on location at this conference:

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ABOUT CIGI

The Centre for International Governance Innovation is an independent, non-partisan think tank on international governance. Led by experienced practitioners and distinguished academics, CIGI supports research, forms networks, advances policy debate and generates ideas for multilateral governance improvements. Conducting an active agenda of research, events and publications, CIGI's interdisciplinary work includes collaboration with policy, business and academic communities around the world.

CIGI's current research programs focus on three themes: the global economy; global security & politics; and international law.

CIGI was founded in 2001 by Jim Balsillie, then co-CEO of Research In Motion (BlackBerry), and collaborates with and gratefully acknowledges support from a number of strategic partners, in particular the Government of Canada and the Government of Ontario.

Le CIGI a été fondé en 2001 par Jim Balsillie, qui était alors co-chef de la direction de Research In Motion (BlackBerry). Il collabore avec de nombreux partenaires stratégiques et exprime sa reconnaissance du soutien reçu de ceux-ci, notamment de l'appui reçu du gouvernement du Canada et de celui du gouvernement de l'Ontario.

For more information, please visit www.cigionline.org.

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