



ontario association for  
impact assessment  
annual conference

**OIAA 2014**

22-23 OCT 2014 OTTAWA

**COLLABORATION  
AND INNOVATION  
IN IMPACT  
ASSESSMENT**

TABARET HALL  
UNIVERSITY OF OTTAWA  
22-23 OCTOBER 2014

PROGRAM

THIS YEAR'S CONFERENCE, COLLABORATION AND INNOVATION IN IMPACT ASSESSMENT: ACHIEVING POSITIVE OUTCOMES, FOCUSES ON THE FUNDAMENTAL CHANGES OVER THE LAST FIVE YEARS TO THE WAYS IN WHICH IMPACT ASSESSMENT IS CARRIED OUT, THE ROLE THESE CHANGES ARE PLAYING IN DECISION-MAKING AND HOW WE CAN STILL ACHIEVE POSITIVE OUTCOMES. CHANGE OFFERS MANY OPPORTUNITIES – OPPORTUNITIES TO RETHINK HOW WE CARRY OUT OUR BUSINESS; OPPORTUNITIES TO REDEFINE THE OUTCOMES WE DESIRE TO ACHIEVE THROUGH IMPACT ASSESSMENT; OPPORTUNITIES TO COLLABORATE AND INNOVATE WITH IMPACT ASSESSMENT TO REACH THESE DESIRED OUTCOMES; AND OPPORTUNITIES TO COLLABORATE AND INNOVATE WITHIN IMPACT ASSESSMENT TO REACH THESE DESIRED OUTCOMES IN NEW AND DIFFERENT WAYS.

# OAIA 2013

23-24 OCT 2013 TORONTO  
ONTARIO SCIENCE CENTRE

THIS  
CONFERENCE  
IS BROUGHT  
TO YOU IN  
PARTNERSHIP  
WITH :



## COLLABORATION AND INNOVATION IN IMPACT ASSESSMENT

ALL OF US FACE CHANGE IN OUR LIVES. AS IMPACT ASSESSMENT PRACTITIONERS, OUR BUSINESS IS ABOUT CHANGE. OUR GOAL IS TO IDENTIFY THE FUTURE CONSEQUENCES OF CHANGE. BUT OUR PRACTICE ITSELF IS NOT IMMUNE TO CHANGE. IN THE PAST FIVE YEARS ALONE, IN THE FEDERAL, PROVINCIAL AND MUNICIPAL CONTEXTS, WE HAVE SEEN FUNDAMENTAL CHANGES TO THE WAY IN WHICH IMPACT ASSESSMENT IS CARRIED OUT AND THE ROLE IT PLAYS IN DECISION-MAKING. BUT CHANGE ALSO OFFERS MANY OPPORTUNITIES – OPPORTUNITIES TO RETHINK HOW WE CARRY OUT OUR BUSINESS; OPPORTUNITIES TO REDEFINE THE OUTCOMES WE DESIRE TO ACHIEVE THROUGH IMPACT ASSESSMENT; OPPORTUNITIES TO COLLABORATE AND INNOVATE WITHIN IMPACT ASSESSMENT TO REACH THESE DESIRED OUTCOMES IN NEW AND DIFFERENT WAYS.

### OAIA 2014 WILL PROVIDE A FORUM TO ASK KEY QUESTIONS:

- WHAT ARE THE DRIVERS OF CHANGE?
- WHAT ARE THE OUTCOMES WE SEEK THROUGH IMPACT ASSESSMENT?
- WHERE HAVE POSITIVE OUTCOMES BEEN ACHIEVED THROUGH IMPACT ASSESSMENT?
- WHERE IS NEW THINKING AND INNOVATION OCCURRING IN THE PRACTICE OF IMPACT ASSESSMENT?
- WHAT'S NEXT FOR IMPACT ASSESSMENT?
- WHERE CAN THE SKILLS AND EXPERIENCE OF IMPACT ASSESSMENT PRACTITIONERS BE BEST APPLIED?
- WHAT ROLE DOES TECHNOLOGY PLAY IN IMPROVING IMPACT ASSESSMENT?

WELCOME TO THE 2014 OAIA CONFERENCE AND  
BE PREPARED FOR CHANGE!



THE ONTARIO ASSOCIATION FOR IMPACT ASSESSMENT IS A FORUM FOR ADVANCING INNOVATION, DEVELOPMENT, AND COMMUNICATION OF BEST PRACTICE IN IMPACT ASSESSMENT THROUGH THE EXCHANGE OF IDEAS AND EXPERIENCES AMONG ITS MEMBERS, AND WITH OTHER ORGANIZATIONS WITH COMPATIBLE INTERESTS. THE OAIA PROMOTES DEVELOPMENT OF LOCAL, PROVINCIAL, NATIONAL, AND GLOBAL CAPACITY FOR THE APPLICATION OF IMPACT ASSESSMENT IN WHICH SOUND SCIENCE AND FULL PUBLIC PARTICIPATION PROVIDE A FOUNDATION FOR EQUITABLE AND SUSTAINABLE DEVELOPMENT.

OAIA IS AN AFFILIATE OF THE INTERNATIONAL ASSOCIATION FOR IMPACT ASSESSMENT, AND ITS GOALS AND OBJECTIVES ARE CONSISTENT WITH THOSE OF THAT ORGANIZATION. OAIA IS AN ASSOCIATION OF PROFESSIONALS WORKING IN THE ENVIRONMENTAL INDUSTRY IN ONTARIO WHO MAKE IMPORTANT CONTRIBUTIONS TO THE QUALITY OF EA PRACTICE IN ONTARIO.

FOR MORE INFORMATION ON OAIA AND MEMBERSHIP, VISIT [WWW.OAIA.ON.CA](http://WWW.OAIA.ON.CA)

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# SPEAKERS AND MODERATOR BIOGRAPHIES

IN ORDER OF APPEARANCE ON THE PROGRAM

## GEORGE Greene

George Greene has over 40 years' experience in sustainable development in the natural resources sector, including corporate strategy and management advice for government agencies and industry clients, non-governmental and international organizations. He is strategic adviser to a number of Canadian and international industry associations on the design and implementation of sustainability performance assessment and reporting programs- working with the mining, oil + gas, utilities, forest products, hydro-dam and chemicals sector.

He was the Inaugural Chair in Environmental Governance at the University of Guelph 2012 – 2013 where he developed models for collaborative environmental governance, focused on understanding the effectiveness of decision – making and accountability processes in the natural resource sectors.

He is an experienced facilitator, mediator and negotiator of policy and program processes involving multiple and often competing interests, helping them find common objectives and reach collaborative solutions. He has worked with government, natural resources industries, and international organizations to design and lead multi-stakeholder consultations and engagement processes.

Mr. Greene's career began in the Canadian Arctic where he led environmental monitoring programs and an environmental impact assessment studies in the Beaufort Sea and Davis Strait where he led the first comprehensive ecologically oriented EIA in Canada. He worked in the mining industry where he led preparation of comprehensive environmental and social impact assessments.

## SIMON Miles

Simon Miles is a consultant on public policy and international development, focusing on institutional analysis and capacity development, policy making, planning, development, and administration. He has worked in over 50 countries for governmental, non-governmental, local, national, and international agencies. He has advised on environmental, natural resource, socio-economic, and technological policies and programmes, with an emphasis on their integration. This work has assisted countries to move towards sustainable development and to adapt their human resources and labour markets to respond to rapid global changes.

Prior to becoming a consultant, Simon founded and served as Executive Director of INTERMET, a world-wide NGO which utilized multi-interest team approaches for moving from research to action in resolving problems confronting large urban regions.

With respect to environmental assessment, when President of the Conservation Council of Ontario, he led its strategic EA of the Province of Ontario's conservation and development policies and programmes, that was conducted using multi-interest teams, in collaboration with the Province; he also chaired a CCO committee on regulations for the Canadian Environmental Assessment Act. He has worked to improve institutional capacity for environmental assessment in a number of developing countries; has conducted SEAs of international development programmes.

Simon has been a Director and Secretary of OIA since 2004 and is a graduate of the University of Edinburgh.

## ROBERT (BOB) Conelly

Mr. Connelly has thirty- five years of experience in environmental assessment with the Canadian Environmental Assessment Agency (CEAA), its predecessor the Federal Environmental Assessment Review Office, and as a consultant. He has also worked for a consulting engineering company and the United Nations Economic Commission for Europe.

As a consultant his clients have included government organizations, the private sector and an international organization. He has chaired a number of environmental assessment panels and served as Acting President for 17 months before retiring from CEAA. He has broad experience with the development of policy, regulation and legislation. He also chaired the working group that developed the United Nations convention on EIA in a trans-boundary context. In 2006 he received the IAIA's Rose Hulman award in recognition of his contribution and leadership in the field of environmental assessment.

## JAMES D. Howell

Jim Howell is a Senior Principal with Stantec Consulting in Calgary. He has 38 years of experience as an environmental consultant during which time he has served as project manager, principal writer or senior reviewer of environmental assessments across Canada and internationally. In his role as National Technical Leader for Environmental Assessment at Stantec he is responsible for revising and updating Stantec's Environmental Assessment Methodology to address regulatory changes and international trends in environmental assessment.

## CHARLES Birchall

Mr. Birchall has over 23 years of experience in legal practice devoted exclusively to environmental law. His work focuses on the areas of environmental assessment and compliance, energy law, and aboriginal consultation and economic development. He provides advice on environmental assessment issues raised by mining, oil and gas and energy projects as well as in relation to infrastructure projects. He is currently counsel to two Joint Review Panels conducting environmental assessments of applications by Shell Canada Energy for the Jackpine Mine Expansion Project and the Pierre River Mine - both of which are located in northern Alberta.

He has extensive experience in the environmental compliance and assessment aspects of corporate commercial negotiations and transactions, including assessment of contamination issues, remediation, and approvals requirements. He has advised clients and appeared before Parliamentary Committees in the Senate and House of Commons on such legislation as: the Yukon Environmental and Socio-Economic Assessment Act, the Canadian Environmental Assessment Act, the Species at Risk Act, and the Canadian Environmental Protection Act. From 1986-1989, Chuck was the Executive Assistant to the Honourable Ian Scott when Mr. Scott was the Attorney General of Ontario, and is immediate past Chair of the Canadian Bar Association's National Environmental, Energy and Resources Law Section.

## STEPHEN Hazell

Stephen Hazell is executive director (interim) of Nature Canada, senior counsel with Ecovision Law, and adjunct environmental law professor at University of Ottawa. He has 20 years of experience in environmental assessment law, policy and practice obtained from the difference perspectives of public, private and civil society sectors.

Between 2006 and 2009, Stephen was the executive director of Sierra Club Canada where he led several successful interventions in panel reviews. From 1995 to 2000, he was principal and general counsel at Marbek Resource Consultants providing advice on environmental assessment, legislative and regulatory issues.

Stephen has also served as executive director and general counsel to the Canadian Parks and Wilderness Society and the Canadian Arctic Resources Committee and as general counsel to the Canadian Wildlife Federation. From 1992 to 1995, Stephen led the team at the Canadian Environmental Assessment Agency that developed the regulations for the implementation of the Canadian Environmental Assessment Act.

Stephen holds a Master of Science degree in Plant Ecology from the University of Toronto and a Law degree from Queen's University. He has been a member in good standing of the Law Society of Upper Canada since 1983. Stephen's book on Canadian environmental assessment, *Canada v. The Environment: Federal Environmental Assessment 1984-1998*, was published in June 1999.

Stephen is the outgoing President of OAIA.

## ANNE-LAURE Bouvier

Anne-Laure Bouvier is currently in the writing stages of her doctoral research in geography at the University of Toronto. Originally trained as an environmental scientist, she decided to become an EA practitioner while doing her Master's thesis on the environmental impacts of hydroelectric development in Quebec. Since then, Anne-Laure has worked in EA as a consultant and as a researcher in Canada and abroad on the biophysical and social effects of Natural Resources Development, particularly in remote areas such as Aboriginal communities. Her PhD work explores the different aspects of Aboriginal involvement in both federal and provincial EA processes in Ontario.

## COURTNEY Fidler

Courtney Fidler is a BC based consultant who completed her PhD, as a Vanier Scholar, at the University of Saskatchewan's Department of Geography & Planning in 2013. Dr. Fidler's M.A.Sc. thesis, completed at UBC's School of Mining Engineering, focused on Aboriginal participation in mineral development in northern B.C., through the signing of impact benefit agreements and the application of environmental assessment. She has experience working in both the private and public resource sector (oil and gas, mining, hydroelectric) and has worked at the University of Queensland's, Centre for Social Responsibility in Mining.

## LEAH Weller

Leah Weller is a Senior Environmental Planner at AECOM, and recent graduate of the University of Waterloo. A Registered Professional Planner and an active member of the Ontario Professional Planning Institute, Leah's work focuses on planned solutions for the conflicts that arise in the intersections between the natural, social, and built environments.

## BENJAMIN Bradshaw

Ben is a  
director on

the OAIA board and a member of the Education Liaison Committee.

Ben Bradshaw is an Associate Professor at the University of Guelph with expertise in environmental governance, especially in the context of resource extraction. His research program on the Canadian mining sector's use of negotiated agreements with Aboriginal communities, typically called Impact and Benefit Agreements (IBAs), has investigated their origins, effectiveness, and relationship to regulatory systems governing mining developments in Canada, including Environmental Assessment (EA). He is the originator of the IBA research network (see [www.impactandbenefit.com](http://www.impactandbenefit.com)), which brings together academics, regulators, Aboriginals, industry representatives, and consultants for the purpose of identifying knowledge gaps and facilitating research to address gaps. In addition to research and teaching, Dr. Bradshaw has a modest consulting practice largely focussed on applied IBA-related research.

Dr. Bradshaw's research related to Canadian EA stems from four interests: 1) understanding EA's utility and effectiveness, especially from the perspective of Aboriginal populations in Canada, as a means of explaining the emergence of IBAs (see Galbraith 2005; Galbraith et al. 2007); 2) identifying and resolving areas of problematic overlap between the public process of EA and the private negotiation of IBAs (see Lukas-Amulung, 2009); 3) identifying the mining industry's perspectives on contemporary EA and IBA processes; and 4) conceiving of normative models of EA and IBA engagement for Aboriginal communities.

## RON Hallman

KEYNOTE

Ron Hallman was appointed President of the Canadian Environmental Assessment Agency (CEAA) effective July 8, 2013.

From 2011 to 2013, Ron served as Senior Assistant Deputy Minister of Regional Operations in the department of Aboriginal Affairs and Northern Development. In this role, he led a team of seven Regional Directors General responsible for program delivery, across ten provinces and directed the Community Infrastructure, Governance, Urban Aboriginal and Emergency Management program areas, working with Aboriginal leaders and key partners to better support on-reserve First Nations communities and urban Aboriginal populations. Prior to joining AANDC, Ron served in a variety of executive roles in the Parks Canada Agency, including: Vice President, Protected Area Establishment and Conservation (2009-2011); Executive Director, Mountain Parks (2006-2009); and Chief of Staff and Corporate Secretary (2003-2006). Previously, he served as Senior Advisor to the Deputy Minister of Canadian Heritage. Earlier in his career, Ron served in the Office of the Minister of Environment, the Office of the Minister of Canadian Heritage, and at the Senate of Canada. Ron holds a Bachelor of Arts in Economics and a Master of Arts in Political Science, both from the University of Calgary.

## PETER Brown

Peter is a senior social  
management services

specialist in the Environmental Planning and Permitting Division of Golder Associates' GTA operations. Over nine years at Golder, Peter has focused on the intersection between communities and the environment through public and Aboriginal Consultation and socio-economic impact assessment primarily for environment assessments in the power, mining, oil and gas, and waste sectors. Peter is certified in public participation by the International Association for Public Participation (IAP2) and in Social Impact Assessment by the International Association for Impact Assessment (IAIA). Peter has a Masters of Science Degree from the Watershed Ecosystem Graduate Program at Trent University and a Bachelor of Science Degree in Geography and Environmental Science from McMaster University.



TIME	SESSION	SPEAKERS
8:00am – 9:15am Registration		
9:15am - 9:45am	<b>Session 1: The Changing World of Impact Assessment: Plenary Session</b>  The presentation sets the scene for the conference, providing a high-level view of global trends and drivers that are impinging on the role of impact assessment in the hierarchy of decision making processes and leading to innovation in the practice of impact assessment. It addresses contextual factors and global drivers with implications for the role and practice of impact assessment. These drivers are impinging on the role of impact assessment – particularly at the project or activity level – and the practice of impact assessment – in process and content. Responses to these drivers will also be explored.	<i>Speaker</i> <b>George Greene, Founding Chair, Stratos Inc.</b>  <i>Moderator</i> <b>Simon Miles</b>
9:45am – 11:00am	<b>Session 2: Three Perspectives on Drivers of Change of How We Practice Impact Assessment in Ontario: Panel Session</b>  Our first panel discussion will take a more in depth look at the drivers of change that affect how we practice Impact Assessment in Ontario from three perspectives: regulatory/procedural, decision-making/political and technology.	<i>Speakers</i> <b>Chuck Birchall, Willms &amp; Shier LLP</b> <b>Bob Connelly, Environmental Consultant</b> <b>Jim Howell, Senior Principal, Stantec</b>  <i>Moderator</i> <b>Stephen Hazell</b>
Refreshments and Networking		
11:20am – 12:30pm	<b>Session 3: Collaboration and Innovation in Impact Assessment: The Student Perspective- Panel Session</b>  New to the conference this year is a student panel session highlighting some of the research being done in the Impact Assessment field today. The focus of the session will be Collaboration and Innovation in Impact Assessment from the Student Perspective. We will hear about the feasibility of indigenous-led/developed environmental assessments; opportunities and challenges to the implementation of R-SEA in the Western Arctic; and how environmental assessment outcomes can be improved by altering public consultation activities to provide stakeholders with more control over the decision-making process..	<i>Speakers</i> <b>Anne-Laure Bouvier, University of Toronto</b> <b>Courtney Fidler, University of Saskatchewan</b> <b>Leah Weller, University of Waterloo</b>  <i>Moderator</i> <b>Ben Bradshaw</b>
12:30 – 1:55pm Keynote Luncheon Speaker: Ron Hallman, President of the Canadian Environmental Assessment Agency		
2:00pm – 3:30pm	<b>Session 4: Collaboration and Innovation: Achieving Positive Outcomes: Panel Session</b>  This panel session will focus on how positive outcomes were achieved for specific environmental assessment projects through the use of collaboration and innovation. The session will focus on two perspectives: transparency in engagement (approach to Aboriginal consultation on the TransCanada Pipeline's Energy East Pipeline Project) and good process (how Lafarge took a landmark decision against them under the Environmental Bill of Rights and turned it into an opportunity to become a better community partner, through innovation and collaboration) and (EA of the Combined Sewage Storage Tunnel for the City of Ottawa).	<i>Speakers</i> <b>Deborah Richardson, Senior Principal, Ishkonigan Consulting</b> <b>Peter Brown, Golder Associates</b> <b>Loretta Hardwick, Stantec</b>  <i>Moderator</i> <b>Ariane Heisey</b>
Refreshments and Networking		
3:45pm – 5:00pm	<b>Session 5: Achieving Positive Outcomes: Case Study - Collaborative and Innovative Heritage Impact Assessment for Highway 407 East: Archaeology, Built Heritage, Cultural Landscapes</b>  This case study will examine how the team approached its Heritage Impact Assessment as part of the environmental assessment for the Highway 407 East Extension project using collaboration and innovation. The session will highlight some of the key areas where collaboration and innovation were crucial to the successful mitigation of impacts to heritage resources along the Highway 407 East corridor.	<i>Speakers</i> <b>Winston Wong &amp; Jeff Seibert, Ministry of Transportation</b> <b>Robert MacDonald, ASI</b> <b>Joel Konrad, ASI &amp; Emily Kszan, Heritage Research and Design</b>  <i>Moderator</i> <b>Jillian Bieser</b>
5:00pm – onwards Networking Pub Event at The Royal Oak, 161 Laurier St E., Ottawa, ON		

Session   23 OCT 2014 OTTAWA		SPEAKERS
8:00 – 9:10am	OAIA AGM with Breakfast – All Welcome to Participate	
9:10am – 10:30am	<p><b>Session 6: What's next for Impact Assessment: Panel Session</b></p> <p>The challenges presented by the drivers of change will shift some of the focus in the practice of impact assessment and will require collaboration and innovation. This session will explore some of the new frontiers in impact assessment including: community well-being studies and the application to socio-economic impact assessment; emerging and evolving approaches to natural resource development planning that are being considered and tested in Canada (assessing community readiness for resource development; regional or play-based engagement and regulatory processes; and multi-stakeholder partnerships and initiatives focused on specific development challenges); and community-based monitoring.</p>	<p><i>Speakers</i>  <b>Peter Siebenmorgen</b>, Resource Development Advisor, Eabametoong First Nation  <b>Andy Yesno</b>, Eabametoong First Nation  <b>Stefan Reinecke</b>, Manager, Stratos Inc.  <b>John Devlin</b>, Associate Professor, University of Guelph</p> <p><i>Moderator</i>  <b>Steve Rowe</b></p>
Refreshments and Networking		
10:50am – 12:15pm	<p><b>Session 7: What's Next for Impact Assessment: A Case Study</b></p> <p>The National Capital Commission and the City of Ottawa undertook a collaborative study to develop a strategy to assess the cumulative effects of transportation infrastructure on the Greenbelt through integrated planning and decision-making. A GIS tool was developed and thirty proposed road and transit projects examined. The result was a memorandum of understanding between the two agencies detailing which projects would be included in the Greenbelt Master Plan review. Might this be a new way of addressing the cumulative effects of multiple projects in an urban context?</p>	<p><i>Speakers</i>  <b>Arto Keklikian</b>, National Capital Commission  <b>Frank R. McKinney</b>, City of Ottawa, Planning and Growth Management  <b>Eva Katic</b>, National Capital Commission  <b>Valerie McGirr</b>, AECOM</p> <p><i>Moderator</i>  <b>Anjala Puvananathan</b></p>
Interactive Lunch Session		<p><i>Moderator</i>  <b>Stephen Hazell</b>  <b>John McCauley</b></p>
2:00pm – 3:15pm	<p><b>Session 8: Thinking Outside the Box: Collaboration and Innovation: Panel Discussion</b></p> <p>There are times when challenges with impact assessment processes have the potential to derail significant projects and there is a need to collaboratively think outside the box to find solutions to bring the various players together. One such example was in the Ring of Fire where thinking outside the box led to the landmark Regional Framework Agreement between the nine Matawa-member First Nations and the Province of Ontario. In this session we will hear about the circumstances that led to this approach, the challenges and the lessons learned and how it relates to the EA processes currently underway.</p>	<p><i>Speaker</i>  <b>Lori Churchill</b>, Director, Ring of Fire Secretariat, Ministry of Northern Development and Mines</p> <p><i>Moderator</i>  <b>Caroline Burgess</b></p>
Refreshments and Networking		
3:30 – 4:00pm	<p><b>Session 9: Results of Interactive Lunch and Conference Wrap Up</b></p> <p>During the networking lunch, conference participants were given the opportunity to discuss key questions that were posed and provide responses which were placed on the wall. In this final session of the conference we will have an opportunity to discuss the responses to the questions that were posed during the networking lunch. Following that, we will do a brief conference wrap up.</p>	<p><i>Results of Interactive Lunch</i>  <b>Stephen Hazell</b>  <b>John McCauley</b></p> <p><i>Wrap-Up</i>  <b>Ariane Heisey</b>, Incoming OAIA President</p>

DEBORAH

## Richardson

Deborah Richardson, a Mi'kmaq from the Pabineau First Nation in New Brunswick, obtained her undergraduate degree in Sociology and Law from Carleton University and obtained her Bachelor of Laws at the University of Ottawa. She was called to the Bar in 1996.

Deborah's distinguished career initially began in law and finance. She articulated at a criminal law firm in Ottawa. She was recruited to work for the Royal Bank of Canada where she served as a business banker and Manager of Diversity, implementing a strategy to tap into multi-cultural markets. In 1999, she was appointed Executive Director of Canada's largest friendship centre, the Native Canadian Centre in Toronto. By 2004, Ms. Richardson was recruited into Indian and Northern Affairs Canada, first as Associate Regional Director General then Regional Director General, leading the federal department's largest regional organization managing a billion-dollar budget and over 400 employees. In 2008, she was recognized as a Top Leader under 40 and selected for the Governor General in Leadership Program. In 2008, Deborah was appointed as Assistant Deputy Minister for the new Ontario Ministry of Aboriginal Affairs. In 2012, Deborah was appointed Assistant Deputy Minister for the Ring of Fire Secretariat, at the Ontario Ministry of Northern Development and Mines. In 2013 Deborah joined Ishkonigan Consulting, an Aboriginal consulting firm as a Senior Principal of National Initiatives.

LORETTA

## Hardwick

Loretta Hardwick, M.Sc. is a Project Manager and Senior Environmental Scientist with Stantec based in the Ottawa. She has over 15 years of experience in EA, environmental management planning, environmental protection planning, monitoring programs and permitting. Loretta has a solid understanding of the federal legislation, policies and procedures for EA and environmental approvals. She has participated in numerous federal and provincial EAs in various Canadian jurisdictions. In addition to her involvement with project EAs, Loretta has been a key contributor in a number of EA policy and regulatory review projects for federal and provincial government agencies. Her involvement in a review of EA scoping practices included the preparation of a best practices guide and presentation of the study findings and recommendations in a series of workshops to federal stakeholder agencies.

ARIANE

## Heisey

Ariane has been a leader in environmental assessment since 1989. She holds a master's degree in Environmental Studies (Environmental Assessment and Planning) from York University and is a registered professional planner in Ontario and full member of the Canadian Institute of Planners and the Prospectors and Developers Association of Canada. She taught planning at Ryerson University from 1982 to 1999 including a course in Social Impact Assessment. At the same time she had her own environmental planning practice specializing in social impact assessment and land use planning.

In 1999, Ariane went to the Ontario Ministry of the Environment's Environmental Assessment and Approvals Branch as a Special Project Officer in the Environmental Assessment Project Coordination Section, where she managed several EAs. As a Special Project Advisor Ariane coordinated the EAs and permitting for DeBeers Victor Diamond Project and led the development and publication of 5 Codes of Practice which provide guidance on the expectations of key components of the EA programme. In 2008, Ariane went on to become a Supervisor in the EA Project Coordination Section overseeing a staff of seven who managed the review of numerous high profile EAs in the GTA and Central and Eastern Ontario. In 2011, Ariane moved to the Ring of Fire Secretariat of the Ministry of Northern Development, Mines as a Senior Policy Advisor. There, she is responsible for leading the development of policy and a programme to guide the coordination of EAs, land use planning and permitting for new mines in the Ring of Fire located in the far north of the province. Ariane has been a Board member of the OAIA since 2010 and is President-Elect.

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## ROBERT MacDonald

Robert I. MacDonald has been on the staff of Archaeological Services Inc. (ASI) since 1982 and currently holds the positions of Senior Archaeologist and Assistant Managing Partner. He manages the archaeological and built-heritage components of large Individual Environmental Assessment (IEA) and Canadian Environmental Assessment (CEA) projects. He holds a Professional Class Archaeological License for the province of Ontario, and is accredited by the Register of Professional Archaeologists (RPA). Rob received his Honours Bachelor of Science and Master of Arts degrees in anthropology from Trent University and his doctorate in anthropology from McGill University. His special areas of expertise include ecological archaeology, archaeological site potential modelling, geographic information system (GIS) applications in archaeology, critical heritage studies, Iroquoian archaeology, and lithic analysis. At the University of Waterloo, Dr. MacDonald holds an appointment as an Adjunct Assistant Professor in the Department of Anthropology and is a former Deputy-Director of the Quaternary Sciences Institute. At Trent University, he is an Adjunct Faculty member of the Anthropology Graduate Program and a Research Fellow of the Trent University Archaeological Research Centre. He is currently the president of the Ontario Archaeological Society, a Provincial Heritage Organization.

## JOEL Konrad

Dr. Joel Konrad is a Cultural Heritage Specialist with Archaeological Services Inc. and a member of the International Association of Critical Heritage Studies and the Ontario Historical Association. Trained in both historical research and heritage evaluation, Joel received his Honours BA in history from Brock University, his MA in history from the University of Ottawa, and his PhD in history from McMaster University. He has worked as an educator, researcher, and practitioner in the fields of history and cultural heritage management for over eight years, holding research and teaching positions at Brown University, Trent University, and the University of Victoria. His broad experience in the heritage sector includes numerous built heritage and cultural heritage landscape assessments, heritage evaluations, preparation of impact assessment reports, conducting heritage salvage operations, artifact management, and work on various special projects for local and regional cultural heritage institutions. Recent projects include: Cultural Heritage Resource Assessment for Port Lands and South of Eastern (Toronto); Cultural Heritage Evaluation for Preliminary Design for Highway 401 Interchange Improvements/ Structural Replacements; and Cultural Heritage Evaluation and Documentation Reports for several properties affected by the Hwy 407 East right of way.

## EMILY Kszan

Emily Kszan is a heritage conservation practitioner and principal with Heritage Research and Design. She is a graduate of the Willowbank School of the Restoration Arts.

## JEFFREY Seibert

Jeffrey Seibert is a Regional Archaeologist with the Ontario Ministry of Transportation and a licensed archaeologist in the province of Ontario. He is a member of the Canadian Archaeological Association and the Ontario Association of Professional Archaeologists and a Research Fellow with the Trent University Archaeological Research Centre. Jeff earned a BA (honours) in Anthropology and History from York University and went on to earn an MA in Anthropology (archaeology focus) from Trent University and a PhD in Archaeology from the University of Calgary. Jeff has conducted the bulk of his field work in Ontario, Belize and Guatemala and has published and presented on this work in a number of peer reviewed publications and in public and academic lectures. Before assuming his current position with the Ministry of Transportation, Jeff worked as a lecturer at a number of universities and as a staff archaeologist at Parks Canada and the Cataraqui Archaeological Research Foundation.

## WINSTON Wong

Winston is a registered professional planner with the Ontario Professional Institute of Planners and member of the Canadian Institute of Planners. He also served on the executive board for the Canadian Association of Heritage Professionals. Winston has studied at the University of Calgary and the University of Guelph focusing on Urban & Regional Planning and Cultural Geography. He previously worked with Alberta Culture Ministry in Calgary/Edmonton carrying out research and planning on provincially significant heritage sites, and has worked in a cultural heritage planning capacity for the Ontario Ministry of Tourism Culture, and Sport (MTCS). Currently Winston is working with the Ministry of Transportation as an Environmental Planning Specialist for built heritage and cultural landscapes, involved with advising technically on guideline development and on a variety of transportation-related projects across the province.

## JILLIAN Bieser

Jillian Bieser is the Director of Communications for the OAIA. She is also a member of the Conference Planning committee and the Membership Committee.

Jillian holds a Masters degree from the University of Toronto specializing in Forest Conservation and is currently completing a doctoral degree within the University's Faculty of Forestry. Jillian's Master's research was focused on the development of carbon management strategies for the Raja Musa Forest Reserve in Malaysia. The study required careful consideration of the potential impacts of management strategies on surrounding communities while ensuring sufficient local engagement was achieved throughout the planning and implementation process.

Her current research is focused on examining the impacts of natural and anthropogenic disturbances on greenhouse gas flux in the Canadian boreal forest. In addition, Jillian is also investigating sustainable methods for the remediation of mine tailings in northern Ontario. Prior to pursuing graduate studies, Jillian was employed as a Project Coordinator at an international engineering firm completing environmental assessments for municipal infrastructure projects. She continues to remain involved in the field of impact assessment through her work with the OAIA where she provides an important perspective from the academic community in an effort to help bridge the gap between scientific research and practical decision-making.

## PETER Siebenmorgen

Peter Siebenmorgen has worked in partnership with more than 10 First Nations on various community-based research exercises since 2007. His work with both Eabametoong First Nation and Webequie First Nation in Northern Ontario has facilitated the development of unique community-relevant indicators of local well-being for use in baseline studies and long-term monitoring. He is currently working directly with Eabametoong First Nation in an advisory role to the EFN leadership and staff to assist with planning for resource and infrastructure development opportunities in their region.

## ANDY Yesno

Andy Yesno has been serving Eabametoong First Nation in a number of leadership and senior staff roles for over 30 years. His pioneering community research in the 1980s assisted the former leadership with decision making, and initial socio-economic research on anticipated impacts of road development is a valuable resource to this day. Andy manages multiple files and responsibilities as the Senior Advisor to the EFN Chief and Council, including overseeing forestry, land use planning, capital projects, mining and infrastructure, as well as other research for leadership and community organizations.

## STEFAN Reinecke

Stefan Reinecke is a manager at Stratos Inc. and works in the firm's energy and mining teams. He provides strategic and management advice to organizations on the development of sustainability programs, stakeholder mapping and engagement, and both project-level and enterprise risk management.

Stefan has supported the design and implementation of sustainability programs in Canada's major natural resource sectors, at both the company- and industry association-level including: assessing the management of sustainability issues and their integration into business processes, developing management guidelines and protocols, and advising on and implementing stakeholder engagement. For the past ten years, Stefan has also worked with several federal departments on contaminated sites management, particularly the Northern Contaminated Sites Program at Aboriginal Affairs and Northern Development Canada where he helped establish and implement its risk management program. He also led a number of research studies on topics such as climate change adaptation in the mining sector, carbon shadow pricing in the energy sector, and life-cycle approaches in government.

Prior to joining Stratos, Stefan worked for an environmental engineering firm managing contaminated site project, including remote sites in First Nations communities in Northern Ontario and large industrial sites. He is a professional engineer (PEng) in the province of Ontario.

## ARTO Keklikian

Arto Keklikian is a professional planner and engineer with 35 years of experience in transportation and urban planning policy, transit and transit project management, environmental assessments, and public consultations. Mr. Keklikian is currently Senior Planner, Transportation with the National Capital Commission. Arto was previously with the City of Halifax where he managed the development of area plans and zoning bylaws. He was also a planner with the Acadian Peninsula in northeast New Brunswick and an engineer with CP Rail in Montreal.

## FRANK McKinney

Mr. McKinney is Program Manager responsible for the Environmental Assessments Unit of the City of Ottawa. He has over 25 years of professional experience in a wide range of transportation-related projects. His experience in the City of Ottawa includes all geographical areas within the City – both urban and rural – with 18 years of project management and 5 years as program manager. Mr. McKinney is involved in all aspects of project completion on roadway and transit projects.

## JOHN Devlin

John Devlin is an Associate Professor of Planning in the School of Environmental Design and Rural Development at the University of Guelph, Canada. He teaches planning theory, rural development administration, project design, and environment and development. He researches public participation in environmental impact assessment and planning processes. He has been Co-chair of the Public Participation Section of the International Association for Impact Assessment since 2007.

## VALERIE McGirr

Ms. McGirr is the Manager of AECOM's Ottawa office. She is a consulting engineer and environmental planner with over 35 years of experience in planning, design, and construction of transportation projects in Ontario, British Columbia and Norway. She now specializes in environmental assessment (EA) and transportation planning. She acts as project manager, environmental planner, project engineer and quality reviewer on a variety of road and transit projects.

## STEVEN Rowe

Steven Rowe is Principal of Steven Rowe Environmental Planner, a consulting firm dedicated to improving the fit between projects, communities and nature through resolution of land use and environmental planning issues. Steven's projects include developing EA processes and land use policies, peer reviewing EAs and development proposals, and coordinating and facilitating project review by decision-making agencies and specialists. Project sectors include waste management, energy (including renewable energy), municipal infrastructure, transportation, aggregates, and protected areas.

Steven was trained as a land use planner and worked in Malawi and with a British municipality before joining a planning consulting firm in Toronto. While there he was involved in a number of EA processes and hearings for waste management and other plans and projects. In 1997 he established his own planning firm, providing environmental planning services to provincial agencies, municipalities, and non-profit and citizens' groups. Steven is a member of the Canadian Institute of Planners and a Registered Professional Planner in Ontario, and leads the environmental policy working group of the Ontario Professional Planners Institute. He was a member of the Minister of the Environment's EA Advisory Panel in 2004-5, and is currently on the Lake Simcoe Coordinating Committee which advises the Minister on the implementation of the Lake Simcoe Protection Plan.



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## EVA Katic

Eva works for the National Capital Commission and is the Manager of Natural Resources and Land Management for the Greenbelt. She holds a masters degree in environmental design and land use planning. Her focus has been on active restoration of natural habitats within the Greenbelt and in examining the ecological implications of infrastructure project. She has worked for national parks in Alberta. Management positions have included park planner for Banff National Park, and senior development planner for Banff, Yoho, and Kootenay National Parks. She has established and chaired a wide range of consultative processes and been involved in regional, multi-jurisdictional collaborative processes. She has a particular interest in the application of science-based information in land use decisions. She is a member of the Canadian Institute of Planners.

## ANJALA

## Puvananathan

Anjala has significant experience in the federal civil service working in predominantly policy and management positions in the areas of environment, labour markets, foreign affairs, health and public health. She is currently a director on the board of OAIA, and the Ontario regional director at the Canadian Environmental Assessment Agency. Prior to joining the Canadian Environmental Assessment Agency, Anjala was with the Public Health Agency of Canada (PHAC) where she was the Manager, Strategic Policy, Planning and Intergovernmental Affairs and the A/Regional Director in PHAC's Ontario and Nunavut Region. Previously Anjala held positions at Health Canada, Environment Canada, Human Resources and Social Development Canada, and Foreign Affairs and International Trade. At Health Canada, Anjala held a number of positions, including Regional Director, Strategic Policy and Intergovernmental Affairs, and the Regional Environmental Assessment Coordinator. At Environment Canada, Anjala held several positions, including Senior Negotiator of the 2002 Canada-Ontario Agreement Respecting the Great Lakes Basin Ecosystem.

## LORI

## Churchill

Lori Churchill is the Director for Aboriginal Engagement and Stakeholder Relations in the Ring of Fire Secretariat at the Ministry of Northern Development and Mines. Lori has worked for the Ontario Public Service for over 25 years in various capacities; the last 15 of which have been working with Aboriginal communities across Ontario on several high profile initiatives. These include leading projects that: support community readiness under the Ring of Fire initiative; partnered with Aboriginal communities, the federal government and minerals exploration and mining sector to create awareness tools; engaged Aboriginal communities on how they want to be engaged in consultation on amendments to the Ontario Mining Act; worked with Treaty organizations, Tribal Councils and First Nations in the drafting of consultation protocols and interim processes related to minerals resource development; and that negotiated various agreements such as Memoranda of Understanding between the Ontario Crown and First Nations with the operational agreements that implemented these Memoranda Lori has worked most closely with First Nation communities, Tribal Councils and Treaty organizations in Treaty 9, Treaty 3 and the Algonquins of Ontario. Her ability to find common ground and facilitate productive working relationships, as well as her passion to respond to community needs will be key as the Ring of Fire initiative moves forward.

## CAROLINE

## Burgess

Caroline is a consultant with 20 years' experience in public and Aboriginal consultation, environmental assessment and regional planning. Prior to joining Castlemain in 2014, Caroline built and led a group of human environment professionals in Alberta and Ontario for a large multi-national consulting firm.

Over the years, Caroline has worked on projects across Canada, consulting with and assessing the effects

on human communities resulting from major resource and infrastructure developments such as pipeline and oilsands projects, mining projects, conventional and alternative energy developments, and municipal and provincial infrastructure projects. A strong supporter of participatory action research, Caroline has worked with Aboriginal communities on environmental, socio-economic and traditional land-use assessments, and has found these experiences to be among the most important and rewarding of her career.

Caroline also has extensive experience in planning and implementing public and Aboriginal consultation plans for transportation, land-use and environmental planning initiatives. She helped facilitate the development of the North Saskatchewan Watershed Alliance in Alberta. Caroline has also managed public and stakeholder participation in many transportation planning, nuclear waste management, municipal and provincial land-use planning projects. A Registered Professional Planner in Ontario, Caroline is a full member of the Canadian Institute of Planners, the International Association for Public Participation (IAP2), and the Prospectors and Developers Association of Canada, and sits as an executive on the Board of the Ontario Association for Impact Assessment.

She holds an MA and an Honours BA, both in Human Geography, from the University of Alberta and the University of Saskatchewan respectively.

