



Canada's Voice for
Brownfields Redevelopment

May 2018 Newsflash #3

CBN 2018 Conference



Why is CBN's Conference 2018 the **MUST ATTEND** Brownfield Event of the Year?

We have so much in store for you at this year's Conference, it's hard to know where to start! Here's something - our Emerging Technology session, first launched in 2017, this has proven very popular with attendees.



Introducing our Emerging Technology Presenters



Dr. Parisa Jourabchi is a senior consultant of **Golder Associates** with over 20 years of experience in applied research and computational methods for the characterization of soil, sediment, and aquatic environments. At Golder, Parisa provides technical guidance on site investigation and remediation projects, particularly on vapour intrusion, modeling, monitored natural attenuation (MNA) and natural source zone depletion (NSZD). Parisa has led several applied research projects including field trials for NSZD assessment and the



development of toolkits for management of petroleum hydrocarbon sites in context of natural depletion and sustainability. She will be presenting **"Natural Source Zone Depletion: State of Practice and Applications for Sustainable Brownfields Redevelopment"**.



Dr. Silvia Mancini, Ph.D., P.Geo. (ON), is a Senior Geoscientist in the remediation group of **Geosyntec Consultant's** Toronto office focused on managing soil and groundwater remediation programs. She obtained a doctoral degree from the University of Toronto focusing on innovative technologies including bioremediation and stable isotope analysis. Silvia's consulting experience includes implementing and managing remediation programs using advanced technologies such as smouldering combustion (STAR), in situ chemical oxidation/reduction, gravel bed bioreactors (GBBRs), and permeable reactive barriers (PRBs). Silvia also provides expert opinions and litigation support on litigation cases in both Canada and the USA. Silvia is an author of several journal articles in her field of expertise and continues to manage government research programs focused on innovative methods and technologies for site characterization and remediation. These programs include the Natural Science and Engineering Research Council of Canada (NSERC) as well as the US Department of Defense Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP). Silvia will be speaking on **"Electrokinetically-emplaced amendments for enhanced treatment of chlorinated compounds in low permeability source areas"**.



Bruce Tunnicliffe, M.A.Sc., P.Eng., President of **Vertex Environmental Inc.**, is an Environmental Engineer, and has years of experience designing and implementing remediation of chlorinated solvents and petroleum hydrocarbons. Mr. Tunnicliffe founded and runs the SMART Remediation Seminar series. He holds a Master's degree from the University of Waterloo where he studied in-situ chlorinated solvent remediation in fractured bedrock. He will be speaking on **"Quebec In-Situ Brownfield Cleanup: Case Studies using Trap & Treat"**.



Dr. Barbara Zeeb received her PhD from Queen's University, Canada in 1994. She joined the Environmental Sciences Group (ESG) at the **Royal Military College of Canada (RMC)** in 1996 to co-ordinate environmental research projects, supervise graduate students, and manage environmental projects at numerous active and abandoned military installations across Canada. In 2004, Dr. Zeeb accepted a faculty position at The Royal Military College of Canada (RMCC) in the Department of Chemistry and Chemical Engineering where she was awarded a Canada Research Chair (CRC) in Biotechnologies and the Environment, and became a full professor in 2008. Over the last two decades, she has been involved in multidisciplinary phytotechnological studies to remediate metal-, organochlorine-, petroleum hydrocarbon-, and salt-impacted sites in collaboration with government agencies and contaminated site owners. Dr. Zeeb is also an Adjunct Professor in the Department of Biology and cross-appointed to the School of Environmental Studies at Queen's University. She is the 2017 winner of the Milton P. Gordon Award, the highest award granted by the International Society of Phytotechnology, given to the person who has proven themselves to be a dedicated researcher, teacher/mentor and promoter of phytoremediation, and who has worked to move phytoremediation from the laboratory and greenhouse into field application.

**THE BROWNFIELD
INDUSTRY IN CANADA:**



Would you like a chance to chart the future agenda for brownfields in Canada? That's what we're offering you at our 2018 *National Brownfield Summit: Charting the Future*, being held in Toronto Wednesday, June 13, at Oakham House, Ryerson University. This could be the most important brownfields event this year, as we will start by reviewing the progress made since the 2003 National Round Table on the Economy and the Environment (NRTEE) report and deciding where to go from here.

We'll begin by unveiling the results of the CBN/Ryerson survey on the state of brownfields and a companion study of brownfield regulations across Canada. Then you can participate by giving **your** feedback: what has improved since the NRTEE report? What still needs to be addressed? What new concerns have developed? In an interactive working session, with plenty of opportunities for discussion with your peers from all sectors of the industry, we'll chart the course of brownfield redevelopment in Canada. Interested? Then register on the [website](#).

For more details on the Conference program, please click [here](#).



"The Remediation Workshop" from EnviroWorkshops is Coming to Halifax, NS and St. John's, NL, and it's FREE!

EnviroWorkshops is presenting "The Remediation Workshop" **free** in Halifax, Nova Scotia (May 30) and St. John's, Newfoundland (May 31). This is a six-hour session covering a wide range of topics, including innovative strategies to address new contaminants and complex sites, mobile thermal desorption, and molecular biological tools, among others. If you are (or plan to be) in or near Halifax and St. John's, these sessions offer useful approaches to remediation situations. Although the sessions are free, you do need to pre-register - you can do so [here](#).

This information is being sent by the Canadian Brownfields Network (CBN) as part of your membership or newsletter subscription, and because we thought it may be of interest to you.

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Canadian Brownfields Network

2800 14th Avenue, Suite 210
Markham, ON L3R 0E4
Tel: 416-491-2886