



## Second Announcement and Speaker List

### ONTARIO LAND RECLAMATION AND REHABILITATION SYMPOSIUM AND FIELD TRIP

June 26-28, 2017, University of Guelph, Guelph, Ontario

**REGISTRATION IS NOW OPEN, PLEASE VISIT LINK BELOW:**

**[Registration Guelph 2017](#)**

#### CONFERENCE ITINERARY

<b>Monday June 26, 2017 7:00 pm – 10:00 pm</b>	Arboretum Reception
<b>Tuesday June 27, 2017 8:00 am – 5:00 pm</b>	Technical Talks
<b>Tuesday June 27, 2017 5:00 pm – 10:00 pm</b>	Banquet
<b>Wednesday June 28, 2017 8:00 am – 6:00 pm</b>	Field Trips

#### EXHIBITS

We are seeking **tradeshow** exhibitors. Please contact Julie Harrington at 905-507-0711 ext. 208 or [jharrington@ossga.com](mailto:jharrington@ossga.com) for more information.

#### SPEAKER LIST

- Reclamation Plenary (Beverley Hale, University of Guelph)
- The Use of Habitat Equivalency Analysis (HEA) to Quantify Reclamation Success Demonstrating Net Gain Biodiversity (Ginny King & Barbara Hard, Arcadis)
- Beyond 3:1 and MTO Mix Rehabilitation (Stephen May, CBM)
- Excess Soil Management Regulations (Jonathan Fernandes, MOECC)
- Role of Relative Humidity in Governing Fugitive Dust Concentrations (Cheryl McKenna Neuman, Trent University)
- A Review of Geochemical Interactions of Aggregate and Amendment Types in Mine Reclamation (Jennifer Durocher, Klohn Crippen Berger)
- Moving Towards the Integration of Technology into Indigenous Knowledge-Led Site Remediation Solutions (Mary Boyden, Eighth Fire Solutions, Inc.)
- The Recycling of Recycled Materials in Restoration of Mining Sites (Christian Bélanger, Englobe)
- Integrated Approach to the Rehabilitation of Mine Workings and Tailings Management Areas at a Former Uranium Mine Site (Mike Gunsinger, Golder Associates)

- The Influence of Time, Soil Organic Matter, and Leach Rate on Nickel Speciation in Soil and its Effect on Bioaccessibility (Beverley Hale, University of Guelph)
- Evaluating the ability of Alyssum Murale L. to Extract Nickel from Nickel-Elevated Soils from Port Colborne, Ontario (Kim Zupfer, University of Guelph)
- Site Characterization and Cleanup Criteria for Long Lake Gold Mine (Ljiljana Josic, SNC Lavalin)
- Early Biodiversity in Technosols on Mine Rock in the Boreal Shield (Renate Vanderhorst, Laurentian University)
- Tactical Deployment of Hydromulch as a Cost Effective Method to Coal Mine Reclamation in Weedy Environments (Trevor Kloeck, Synermulch Erosion Control Products)
- Rapid Ecological Restoration for Aggregate Sites: Mimicking Habitats and Relocating Living Mulch from Hardwood Forests (Paul Richardson, University of Waterloo)
- Agricultural and habitat Creation in a Sand and Gravel Pit (Mike Lebreton, CBM & Glenn Harrington, Harrington McAvan)
- “Just Add Water”: Wetland Restoration in Aggregate Rehabilitation Plans (Mike Williams, Ducks Unlimited Canada)
- Erosion Control Solutions for Soil Management and Vegetative Establishment (Cathy Wall, Quality Seeds)
- Metal Mixtures in Soil: Testing the Concentration Addition Approach as a Risk Assessment Tool (Pooja Arora, University of Guelph)
- Rehabilitation of a Quarry to a Vineyard: a Case Study of Walker Aggregates’ Vineland Quarries (Frank Kielbowich, Walker Aggregates)
- A Wind Tunnel Evaluation of the Efficacy of Four Commercial Surface Treatments for Dust Suppression (Colette Preston, Trent University)
- Capability and Benefits of Using Unmanned Aerial Vehicles (UAVS or drones) for Aggregate Rehabilitation (Daniel Matzeg, Enaeria Inc.)

### POSTER LIST

- Toxic effects of rare earth elements on radish and durum wheat (Amanda Pellegrino, University of Guelph)
- Using Diffused Gradient Thin Films (DGT) and Ion Exchange Technique (IET) to Relate Bioaccessibility and Phytotoxicity of Rare Earth Elements (Bianca Pereira, University of Guelph)
- Fugitive dust emission management strategies: The implications of dust suppressants on algal crust development on mine wastes, Nephthton, ON (Spencer Gilbert-Parkes, Trent University)
- Remediation of Ni Toxicity by Liming - Field Validation (Judith Vandeven, University of Guelph)
- Establishment of a moss cover to reduce PM10 emissions from Nepheline Syenite mine tailings (Colette Preston, Trent University)
- Assessing the viability of upper profile-homogenization as a method for remediation of recalcitrant contaminant metals in soils (Luba Vasiluk, University of Guelph)

## FIELD TRIPS – Wednesday, June 28, 8:00 am – 6:00 pm

Two local field trips are being offered this year and will highlight successes in research and rehabilitation in the mining and aggregate sectors.

### Field Trip 1: Guelph brownfield and aggregate rehabilitation sites

This event will feature a tour of brownfield sites and aggregates sites within the Guelph area that have been rehabilitated to a variety of land uses. Tour stops include **Capital Paving's Wellington 5 Pit** where the land was returned to agricultural use, and rehabilitation plans include a wildlife corridor; **CBM's McMillan Pit**, a former pit converted to aquaculture facility which is now home to thousands of rainbow trout; a naturalized aggregate site which includes a rare fen plant community and is located just north of the **Fletcher Creek Ecological Preserve**; and **Kelso Quarry Park**, a rehabilitated quarry within the Niagara Escarpment Plan and Greenbelt, that now contains a 45 acre lake, beach, boardwalk, shoals for fish habitat and a trail network that connects to the Bruce Trail. The tour will also include **Guelph's Metalworks**, a Canadian Brownfields Network award winner for reclamation of industrial lands, and a visit to the **Eastview Pollinator Park**, a former 45ha landfill site that is now home to pollinator habitat.

### Field Trip 2: Port Colborne

The field trip will include visits to the experimental plots near the city of **Port Colborne ON**, the location of Vale Canada's Ni refinery, which operated until the early 1980's, resulting in elevated soil Ni, Cu and Co concentrations in agricultural fields and woodlots. Remediation strategies being demonstrated on the agricultural fields include deep-tilling and liming at various rates, which the tour will stop at. The tour will also stop at a woodlot on soil with very high Ni concentrations, for which remediation options are being considered. Additional stops are being planned.

## ACCOMMODATIONS

Room blocks have been reserved at the **Delta Hotels Guelph Conference Centre** (50 Stone Rd W., 1-519-780-3700) at a rate of \$149/night and the **Holiday Inn** (601 Scottsdale Dr., 1-519-836-0231, <http://www.higuelfh.ca/>) at a rate of \$128/night. If booking a two night stay please book with the Delta Hotels. Rooms are also available at the residences at the University of Guelph. Please book before June 2. See the links below:

[Delta](#)

[Holiday Inn](#)

[Residence at UofG](#)

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### For more information please contact:

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