

INVITATION

Instrumentation Technologies & Cutting Edge Monitoring Solutions

Presenters: James Saunders & Jessica Abrahamse, Sixense

Date & Wednesday, May 29, 2019
Doors and registration: 5:30pm

Time: Presentation: 6:00pm

sixense

Location: Lone Star Texas Grill

930 Dixon Rd, Toronto, Ontario

Cost: TAC Members: \$5 at the Door Non-Members: \$10 at the Door

Government Employees: \$5 at the Door

RSVP: It isn't required to RSVP, but please notify

onttac@gmail.com if you plan to attend.

Presentation Overview

This presentation will briefly describe state of the art instrumentation technologies implemented for urban underground construction projects. There will be a special focus on examples of cutting edge monitoring solutions deployed recently for major iconic urban tunneling projects, such as the Automatic Motorized Total Stations (AMTS), the INterferometric Synthetic Aperture Radar (INSAR) and source less seismic (SLS). These innovations will be presented through SIXENSE case studies, including: the NZLijn metro in Amsterdam (NL), the Alaskan Way tunnel in Seattle (WA), Le Grand Paris Express (FR) and Crossrail in London (UK).

The presenters will also share their view on the good practices for the planning, design, deployment and maintenance of such monitoring programs.

Speaker Bios:James Saunders & Jessica Abrahamse



James Saunders studied Civil Engineering at Queen's University. Following graduation, he pursued innovative IoT solutions for geotechnical and mining industries. Alongside ConeTec, he founded VEGA which developed, managed and deployed propietary integrated data solutions for mining and geotechnical clients across North and South America.

James joined SIXENSE in 2018 as Business Development Manager, establishing the Vancouver, Canada office.



Jessica Abrahamse has obtained a Masters degree from York University in Toronto in Environmental Studies. She has spent time in her career developing new business for proprietary reinforced soil structures, in diverse sectors such as transportation, mining and municipal across Canada. Recently in September 2018 Jessica joined SIXENSE as the Marketing and Business Development Manager based out of Oakville, Ontario.