



University of Toronto / Trojan Technologies Workshop on Treatment of Drinking Water Environmental Contaminants

Organizers

University of Toronto (Institute for Water Innovation and Department of Chemical Engineering & Applied Chemistry) and Trojan Technologies

Date

Thursday, November 24, 2016

Location

Alumni Hall, 91 Charles Street West, University of Toronto, Toronto (<http://map.utoronto.ca/building/501>)

Target audience

Drinking water process, operations and project engineers of municipalities in GTA and South Western Ontario; consulting engineers and regulatory stakeholders

WORKSHOP OBJECTIVES

- 1. To provide scientific background** of UV/H₂O₂ advanced oxidation process (AOP) and best practices of UV/H₂O₂ AOP applications in treating drinking water environmental contaminants.
- 2. To share frontier research** on treating drinking water environmental contaminants.
- 3. To identify research** and technology opportunities for future collaboration.

Agenda

9:00 a.m.

Registration and coffee

9:30 a.m.

Dr. Grant Allen, Chair
Department of Chemical Engineering & Applied Chemistry
University of Toronto (U of T)

Opening remarks

9:35 a.m.

Dr. Vlad Papangelakis, Director
Institute for Water Innovation (IWI), U of T
Topic: Overview of Research Activities at IWI, U of T

9:50 a.m.

Dr. Mihaela Stefan, Trojan Technologies
Topic: UV/H₂O₂ Advanced Oxidation Process (AOP): Principles and Applications to Environmental Contaminant Treatment in Drinking Water Sources

Agenda cont.

10:20 a.m.

Mr. Alan Royce, Trojan Technologies

Topic: From Bench-scale Research to Full-scale Implementation and Operations of Combined UV Disinfection and UV/H₂O₂ AOP

10:50 a.m.

Coffee Break

11:05 a.m.

Dr. Bram Martijn, PWN Technologies

Topic: Application of UV/H₂O₂ AOP and Operational Experience of PWN Drinking Water Plants in The Netherlands

11:35 a.m.

Mr. Barrie Holden, Previously with Anglian Water

Topic: UV Light-based Technologies for Pesticide Treatment in Drinking Water Supplies: Anglian Water (UK) Experience

12:05 p.m.

Lunch and networking with students

1:15 p.m.

Dr. Ron Hofmann, U of T

Topic: Overview of UV AOP Research at DWRG

1:45 p.m.

Dr. Shahram Tabe, Ontario MOECC; Dr. Ramin Farnood, U of T

Topic: Frontier Research on the Development of Nano-fibre Membrane Technologies for Removal of Environmental Contaminants

2:15 p.m.

Coffee Break

2:30 p.m.

Dr. Shahram Tabe, Ontario MOECC

Topic: Regulatory Perspectives on Drinking Water Environmental Contaminants in Ontario

3:00 p.m.

Discussions on research and technology collaboration opportunities, and closing remarks

3:30 p.m.

Workshop ajourned



UNIVERSITY OF TORONTO
FACULTY OF APPLIED SCIENCE & ENGINEERING

