



Workshop Digital Transformation in the Water Industry

0 8:00 am Registration & Breakfast

O 8:30 am

Opening Remarks

10:00 am **Break**

8:35 am



Thouheed Abdul Gaffoor

EMAGIN

Imagine what AI can do for Water: Harnessing the Power of Artificial Intelligence for **Process Optimization**

9:20 am



Alan Hinchman Chief Revenue Officer

GrayMatter

Digital Transformation: Smarter Operational Decisions Using Data Science

Alan Hinchman has over 20 years of experience managing technology deployments in industrial facilities across North America, and is the Chief Revenue Officer at GrayMatter.

Alan most recently served as GrayMatter's Chief Innovation Office, a role in which he co-innovated solutions with clients that allowed them to optimize and grow their businesses. Alan previously served as Chief Operating Officer of The Water Initiative, a team of global business executives and renowned scientists who develop water systems to fit local conditions. Prior to The Water Initiative, Alan was the Global Market Director for water and waste water industries at GE Digital. In this role, he led a team responsible for the strategic marketing of GE Digital's water and waste water offerings. In addition, he has considerable experience with energy, oil and gas and smart building offerings.

Contact: ahinchman@graymattersystems.com

10:45 am



Regional Manager for North America Tech Consultants

Rockwell Automation

Utilizing an IoT platform enabling Digital **Transformation**

Rob has 25 years in the automation and process industry. Rob has worked for fortune 500 companies helping them with their digital transformation journey. He has extensive knowledge of the water industry and has worked several projects in water and wastewater industries. He holds degrees in electrical and electronics and control system.

11:05 am

Pannel Discussion

Thouheed Abdul Gaffoor

EMAGIN

Alan Hinchman

GrayMatter

Rob Prashad Rockwell Automation

TBD

Moderator

The following municipal delegates will present on their experiences with digital transformation in the Ontario water treatment industry:

12:00 pm **Lunch & Networking** 3:40 pm **Closing Remarks**

1:00 pm

1:35 pm

2:25 pm

3:00 pm

Pannel Discussion

Bill Shea

Toronto Water

Matt Spitzig

York Region

Graham Nasby

City of Guelph Water Services



Bill Shea Director of Distribution and Collection

City Of Toronto



Graham Nasby Water SCADA & Security Specialist **City of Guelph Water Services**



Matt Spitzia PCS/SCADA Supervisor, Operations Maintenance and Monitoring branch

Regional Municipality of York



Operational Dashboards to Monitor Watermain Flow Patterns, Tower Levels, and Realtime Pumping Energy Costs per m³

Matt Spitzig is a graduate of the Control Systems Technology program at Fanshawe College. He holds the position of PCS/SCADA Supervisor in the Operations Maintenance and Monitoring branch at the Region of York. Through the 13 years at the Region of York Matt has held various positions within the PCS/SCADA group and has gained experience and knowledge in all aspects of the water and wastewater industry from design and construction, process control and SCADA systems. Prior to working at the Region Matt worked in the automotive manufacturing industry within the maintenance and engineering departments.

Contact: matt.spitzig@york.ca

Eramosa

Adam Plumstead Eramosa

Grapham Nasby Moderator

Monitoring flow and pressure to get data of the water distribution and collection system to visualize through ESRI.

holds the position of Director of Distribution and Collection, Toronto Water at the City of Toronto. Toronto Water's Distribution and Collection section inspects, maintains, operates and rehabilitates the water distribution, collection and stormwater systems across the city. Prior to joining the City of Toronto, Bill worked as a Plant Manager, Systems Engineer and Project Engineer for a number of private-sector companies focused on process improvement and automation in the mineral processing, water, wastewater and natural gas industries. In his current role, Bill is implementing technology solutions both in the field and in the boardroom with the goal of improving efficiency, customer service and leveraging predictive data.

Contact: william.shea@toronto.ca

Operational Dashboards to Monitor Watermain Flow Patterns, Tower Levels, and Realtime Pumping Energy Costs per m3

Graham Nasby, P.Eng, PMP, CAP holds the position of Water SCADA & Security Specialist at City of Guelph Water Services, a publicly-owned water utility located in Guelph, Ontario, Canada. Prior to joining Guelph Water, he spent 10 years in the engineering consulting community after completing his B.Sc.(Eng) at the University of Guelph. He is senior member of the International Society of Automation (ISA) and co-chair of the ISA112 SCADA System Standards Committee, and a voting member of the ISA101 HMI Design standards committee. He is a member of both OWWA and WEAO, and currently sits on the OWWA Automation Committee.

Contact: graham.nasby@guelph.ca

the Electrical Engineering Technology program at Conestoga College and was recognized as an Alumni of Distinction in 2017. He is a Group Leader at Eramosa and has been with the firm since 2007. He is an active member of the ISA112 SCADA System Standards Committee and the AWWA Water Utility Technology and Automation Committee.

Adam Plumstead, C.E.T is a 2007 graduate of

Contact: adam.plumstead@eramosa.com

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