WISE
WATERLOO INSTITUTE FOR SUSTAINABLE ENERGY

LECTURE SERIES
FREE ADMISSION | OPEN TO THE PUBLIC

BUILDINGS | CARBON CAPTURE AND STORAGE | FUEL CELLS | NUCLEAR | POLICY | PLANNING
RENEWABLES | SMART GRID | STORAGE | SUSTAINABLE MOBILITY | SUSTAINABILITY ANALYSES

PRESENTED BY THE WATERLOO INSTITUTE FOR SUSTAINABLE ENERGY

Friday September 28, 2018
10:30 – 11:30 am
CPH 4335

BLOCKCHAIN
A NEW FOUNDATION FOR DISTRIBUTED ENERGY RESOURCES?

Vikram Singh, Director of Advanced Planning, Alectra Utilities

Distributed Energy Resources (**DERs**), including solar, energy storage, electric vehicles, and home energy management devices, can contribute to a more efficient, sustainable energy future. However, currently, the tools and processes in place in the industry to securely manage contracts, transactions, and settlements are not positioned to be applied to many small DERs and it would be prohibitively expensive to do so.

Vikram will be discussing how Blockchain can be used as the foundation for an end-to-end platform that facilitates contracting, compliance, and settlement of distribution level market services using DERs.

This lecture will feature a **live demo** of the **"Spark" platform**, a Blockchain enabled mobile app co-developed with IBM that allows customers to leverage their EVs, solar panels or battery storage systems to deliver real time energy services to the market!

Biography

Vikram Singh is currently the Director of Advanced Planning at Alectra Utilities. In his current role, Vikram focuses on identifying ground-breaking new energy solutions that can be piloted within Alectra's territory and eventually transitioned into full-scale commercial offerings that benefit both the customer and the grid. Prior to joining Alectra, Vikram held a variety of Senior Management roles within the energy sector. He most recently served as the Director of Business Development at a US technology fund where he led the technical and commercial development of a revolutionary new fuel injector design to be applied within the distributed generation sector.

ALL ARE WELCOME!

PLEASE REGISTER ON

EVENTBRITE

wise.uwaterloo.ca/events

UNIVERSITY OF WATERLOO