

# WISE

WATERLOO INSTITUTE  
FOR SUSTAINABLE ENERGY



## LECTURE SERIES

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

### A PUBLIC LECTURE PRESENTED BY THE WATERLOO INSTITUTE FOR SUSTAINABLE ENERGY

**Tuesday April 18, 2023**  
**11:00 am – 12:15 pm (EST)**  
**Engineering 7 (E7)**  
**Room no. 7303/7363 (Faculty Hall)**

## THE GRID OF THE FUTURE: HOW SMART GRIDS, DECENTRALIZED ENERGY RESOURCES, AND NEW BUSINESS MODELS CAN HELP US REACH A NET ZERO GRID BY 2035

**Faisal Kazi**, President and CEO, Siemens Canada Limited

With electricity demand expected to increase by as much as 85% by 2050, it's imperative that we rethink our energy systems and how we interact with them if we want to reach Canada's goal to have a net zero grid by 2035. Smart Grid Atlantic Research Project is doing just that. By utilizing smart grid technology, distributed energy resources (DERs,) and innovative business models like crowd sourcing, private sector companies like Siemens and local utilities can work together to ensure an economically viable energy transition creating smart energy communities with cleaner and more reliable electricity.

### Biography



Faisal Kazi is the President and CEO of Siemens Canada. Mr. Kazi is responsible for leading the overall strategic management, direction, and leadership of Siemens activities in Canada.

In addition to his role as President and CEO, Mr. Kazi is responsible for the leadership of the Smart Infrastructure business and serves as a board member of multiple Siemens affiliates in Canada.

Mr. Kazi joined Siemens in 1990 and has worked in various areas of the organization, including Siemens Energy, Industry, IT and Infrastructure businesses in Germany, The Netherlands, Brazil and the United States. In 2011, he joined Siemens Canada as the regional and sales head of the Transformers business in North and South America. He has also led the Siemens Transmission division for North America.

Mr. Kazi is on the Board of Directors for the Business Council of Canada, the Toronto Board of Trade and the Canadian German Chamber of Industry and Commerce.

He holds a bachelor's degree in electrical engineering and a Masters in Business Administration.

A passionate champion of Siemens Canada's corporate social responsibility programs, Mr. Kazi takes pride in giving back to the community.

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