

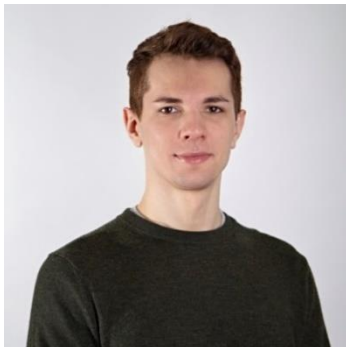
The McNeil Centre for Applied Renewable Energy (CARE)

You are invited to the next webinar of the Renewable Energy Speaker Series hosted by the McNeil Centre for Applied Renewable Energy (CARE) at Concordia University of Edmonton (CUE)!

This speaker series provides us all an opportunity to explore renewable energy solutions, learn about the challenges faced by the sustainable energy sector (industry, government and society), careers in the renewable energy sector, and interact with experts from across Canada and beyond.

How We Can Move Toward Energy Certification for Homes presented by Dr. Sergey Ishutov

About the webinar: Improving energy efficiency in homes is an important step toward reducing costs, lowering emissions, and creating sustainable communities. This talk explores how better prediction and understanding of household energy use can support energy certification and benchmarking for residential properties. By combining simple building information, such as size and layout, with local weather data, this approach makes it easier to assess and compare home performance. The insights can guide homeowners, builders, and policymakers in making informed decisions about energy upgrades, retrofits, and certification standards.



About the Speaker, Dr. Sergey Ishutov: Dr. Sergey Ishutov is an Assistant Professor in the Department of Environmental and Physical Sciences at Concordia University of Edmonton (CUE), specializing in earth science, 3D printing, and energy efficiency.

His research promotes sustainability and innovation by integrating geoscience, information systems, and cognitive science to improve understanding of complex environmental systems. Over the past six years, he has led projects developing 3D-printed geological models for education, experimental geomechanics tools, and energy benchmarking tools.

As an educator, Sergey emphasizes experiential and technology-enhanced learning to help students connect scientific theory with real-world environmental challenges. He collaborates with universities, industries, and Indigenous communities across Alberta to address issues related to environmental contamination and resource management.

Please extend this invitation to your network and anyone who may be interested in attending!

Questions? Please contact us: mcneilcare@concordia.ab.ca