



# Member Profile

## Dr. Vladimir Kitaev, Research Theme Coordinator

Dr. Vladimir Kitaev coordinates the priority research theme at the MS2Discovery Institute on Nanoscience and Nanotechnology, Renewable Energy and Sustainable Development (Tecton 1).

Dr. Kitaev joined the Institute in 2014. In 2004 he came to Wilfrid Laurier University where he is now an Associate Professor in the Department of Chemistry. Before joining Laurier he was a Research Associate and Postdoctoral Fellow at the University of Toronto. He previously spent time at the Moscow State University in Russia as a Research Assistant. Kitaev received his PhD from the University of Toronto in 2000 and his MSc in Chemistry from Moscow State University in 1995.

In 2010, Dr. Kitaev was awarded the Early Researcher Award from the Ontario Ministry of Economic Development and Innovation. Kitaev has also received the Merit Award for Faculty at Wilfrid Laurier University in 2009. Since 2004 he has been a regular reviewer for over 30 manuscripts per year for various journals as well as a being a reviewer for various programs like NSERC and the N.

Kitaev's research is focused on synthesis of colloidal nanoscale building blocks called NBBs, these include plasmonic metal nanoparticles of well - defined shape and tunable optical properties for applications in sensing and photonics. He is also interested in metal oxide nanostructures for photochemical and electrochemical applications. He has been published in high - impact journals like the Journal of the American Chemical Society and ACS Nano.



Dr. Kitaev has completed supervision of three MSc students as well as co-supervised four PhD students and one MSc student along the topics of materials chemistry, polymer chemistry and nanoscale chemistry. He currently supervises on MSc student. Kitaev welcomes inquiries from potential undergraduate and graduate students.

