

Sergei Manzhos is Associate Professor at the Centre Énergie Matériaux Télécommunications (EMT) of the Institut National de la Recherche Scientifique (INRS), Canada. He holds a Ph.D. in chemistry from Queen's University (2005) and M.Sc. in radio physics from Kharkiv National University (1999). In 2004-2008 he was postdoctoral fellow and NSERC postdoctoral fellow at the Université de Montréal in the group of Prof. Tucker Carrington. He was Project Assistant Professor at the University of Tokyo (Department of Chemical System Engineering and Research Centre for Advanced Science and Technology) in 2008-2012, working in groups of Prof. Koichi Yamashina and Prof. Hiroshi Segawa. In 2012-2019, he was Assistant Professor (group leader) at the Department of Mechanical Engineering, National University of Singapore before joining INRS in 2019.

Prof. Manzhos's research interests include computational modeling and design of materials for energy conversion and storage technologies as well as method development for computational spectroscopy and large-scale ab initio methods. He uses and develops machine learning based methods for these applications. He has (co)authored more than 170 publications including several invited reviews in reputed journals. Several his works have been distinguished by cover pages and editorial highlights.