Dr. Jing-Li Luo: Dr. Jing-Li Luo is a professor in the Department of Chemical and Materials Engineering at the University of Alberta, Canada. She received her B. Eng. Degree from the University of Science and Technology Beijing and her Ph.D from McMaster University, Canada under the supervision of Professor Brian Ives. She joined the University of Alberta in 1995 with the Women's Faculty Award funded by Natural Sciences & Engineering Research Council of Canada. Her current research has focused on fuel cells that can generate electricity and produce value-added products using non-conventional fuels such as greenhouse gases, alkanes, industrial syngas and impure hydrogen. She also investigates materials at nano scale and develops methods for manufacturing nano-materials that possess enhanced electrocatalytic activity for energy conversion/storage and power generation. Dr. Luo has also conducted extensive research on corrosion mechanism of erosion corrosion of pipeline in flowing slurry, corrosion of nuclear materials, corrosion control and prevention. She has published over 300 papers in refereed journals and holds six US patents. Dr. Luo was elected to Follow of Canadian Academy of Engineering in 2016 and was the recipient of a number of awards including Canadian Research Chair in Alternative Fuel Cells (2004-2015); Canadian Metal Chemistry Award in 2014; McCalla Professorship University of Alberta in 2003; and Morris Cohen Award in 2002. She serves in Editorial Board of Electrochemical Energy Reviews (EER) (Springer-Nature publishing group), in Editorial Board of Corrosion Science and as the Board Committee Member of Fuel cells, the International Academy of Electrochemical Energy Science (IAOEES) and is an International Corrosion Council Member.