Brian Mori is the Director of Data Analytics, Integrated Fleet Management, Ontario Power Generation. He has a Ph.D. in Mechanical Engineering and has 30+ years working in the Thermal, Hydro and Nuclear generating businesses, specializing in testing and analytic services. He has expertise in developing on-line monitoring systems, performing computer simulations of complex process using various tools ranging from thermodynamic heat balances to computational fluid dynamics. His experience also includes field testing of feedwater flows, effluent flows and concentrations, ASME performance acceptance testing and advanced biomass fuel characterization. Currently he leads a team that is building capability to expand engineering tools from fundamental physics based models to mathematical models using AI and machine learning. Key in this process is combining text based information using Natural Language Processing to numerical plant data. The Integrated Fleet Data Analytics Dept. and M&D Centre reports to him. Brian is passionate about advancing the uses of AI and Machine Learning to promote a data driven decision making culture.