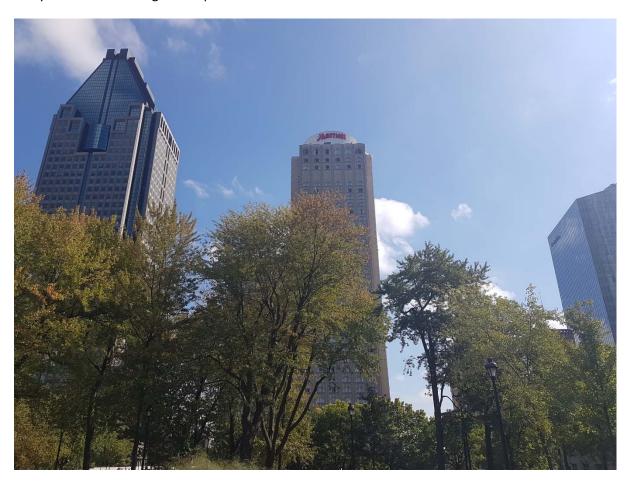**Machine Learning for Spatial and Temporal Analysis at GIScience 2016**

On 27th September, the ISPRS TCIV/8 Working Group on GeoComputation and GeoSimulation organised a tutorial workshop on Machine Learning for Spatial and Temporal Analysis at GIScience 2016, Montreal, Canada (http://giscience.geog.mcgill.ca/). This year, GIScience was organised jointly by McGill University, Université Laval and University of Saskatchewan. Since 2000, the conference series has showcased cutting edge research that pushes the boundaries of geospatial analysis and GIS. TCIV/8 seeks to further this goal by educating the next generation of researchers in advanced analytical and modelling techniques.

Marriott Chateau Champlain, Montreal, Canada, venue of GIScience2016

During the workshop, run by TCIV/8 Chair Dr James Haworth of UCL SpaceTimeLab, participants were taught the key concepts underpinning a range of ML algorithms, including support vector machines and random forests. They then learned how to train and test ML models using R statistical package. A number of real world datasets were used as examples, including road traffic data and environmental data. In total there were 18 participants from a range of backgrounds, and the workshop was very well received.

Picture from the workshop

TCIV/8 plans to run similar workshops in the future, meeting the goal of educating the ISPRS community and the next generation of GIScientists on the tools and techniques of GeoComputation and GeoSimulation.