Postdoctoral Researcher, Building Performance Metrics, Data Analytics and Visualization
Building Performance Research Center
Carleton University, Ottawa, ON

Qualifications
We are seeking a post-doctoral researcher for a project on building performance metrics, data analytics and visualization for a two year-term. The candidate is expected to have significant expertise in the following topics:

- PhD degree with research focus in building engineering or related areas (required);
- Experience in building performance data analysis using programming environments such as R, Python, or Matlab (required);
- Knowledge of building automation and control systems;
- Knowledge of building performance simulation;
- Excellent written and communication skills demonstrated through scholarly publications in high-impact journals and conferences;
- Preference will be given to external funding recipients such the NSERC Postdoctoral Fellowship.

About DBOM
Data-driven building operation and maintenance (DBOM) is a research group that operates within the Carleton Building Performance Research Centre. DBOM research group examines methods to optimize the operation of commercial and institutional buildings for comfort and energy use. The group employs the state-of-the-art data mining techniques on building operation and maintenance (O&M) databases to derive methods that guide analytics-driven indoor climate control and predictive maintenance decisions.

About Ottawa

Located in Ottawa, Ontario, Canada's capital city has a population of almost one million and reflects the country's bilingual and multicultural character. Carleton's location in the nation's capital provides many opportunities for research with private and public sector partners including federal research laboratories. To learn more about our university and the City of Ottawa, please visit www.carleton.ca/about.

Application instructions:
Candidates are encouraged to highlight qualifications relevant to the areas of special interest in building performance analysis, data mining, energy modelling. Apply by sending your CV, contact information for two references, and two of your most relevant recent publications to burak.gunay@carleton.ca (cc to liam.obrien@.carleton.ca and scott.bucking@carleton.ca)

A competitive compensation package will be offered depending on the level of experience.

date posted: 2019-06-11
closing date: until the position is filled