

Posting Date: June 21, 2017

University of Toronto
Faculty of Applied Science and Engineering
Mechanical and Industrial Engineering Department
JOB POSTING – POSTDOCTORAL FELLOW

Area of Research: Quantitative and Computational Methods

The **Urban Genome Project (UGP)** at the University of Toronto is a multi-disciplinary research project dedicated to understanding the formation, evolution, life, and death of cities and neighbourhoods, from the ground up. It offers a platform for urbanists interested in interdisciplinary cooperation.

Key areas of focus include: neighbourhood and city developmental trajectories; relationships between spatial networks and social networks; the interplay of infrastructure, planning, and urban form with economic, social, political and cultural developments; urban big data; urban metabolism; scaling processes; urban and community classification; diffusion, innovation, and creativity.

Description of duties: Core responsibilities include: providing research assistance and managerial support to the project; organizing and participating in periodic seminars and symposia; co-authoring manuscripts for publication in peer-reviewed journals.

Salary: \$45,000/year, plus benefits

The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (prorated for those holding a partial appointment) recognizing that the needs of the employees' research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

Required qualifications: The Post-Doctoral researcher will play a key role in leading the data collection and analysis side of the project, in communication with parallel simulation studies. They will work closely with core team members in both research design and implementation. Advanced quantitative and computational skills are crucial. The ideal candidate will also have an active interest in urban issues and theory, and good communication and organization skills.

Application instructions

All individuals interested in this position must submit a CV, cover letter, at least two letters of recommendation and one writing sample to Daniel Silver at dsilver@utsc.utoronto.ca by the closing date.

Closing date: July 30, 2017

Supervisor: Daniel Silver (Sociology) is the project leader. Core project members include: Shauna Brail (Urban Studies); Richard Florida (Management); Mark Fox (Engineering, Computer Science), Matti Siemiatycki (Geography); Robert Wright (Architecture); Ultan Byrne (Architecture).

Expected start date: September 1, 2017

Term: One-year term with a possible renewal

FTE: 100%

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.

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The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.