

## City of London - Application for Appointment to City of London Community Advisory Committees

### Application

Committee you are interested in serving on: **Integrated Transportation Community Advisory Committee**

If applying for the Accessibility Community Advisory Committee, please select: **No, I am not an applicant with a disability.**

If applying for the Ecological Community Advisory Committee, a professional designation, education or experience in related fields is a requirement based on the technical nature of the committee work. Please indicate your area(s) of expertise: **Other**

If you selected 'Other', please specify: **Transportation, GIS, human mobility analysis**

### Contact Information

Name: **Milad Malekzadeh**

City: **London**

Province: **ON**

Postal Code: **N6G 1M2**

### Experience and Qualifications

If you have experience on a London Advisory Committee, please provide dates and details. (max. 250 characters): **No experience to date.**

What do you hope to contribute or learn as part of a Community Advisory Committee? (max. 250 characters): **I'm a Ph.D. student in GIS. I've been teaching GIS and Transportation labs at western university for two semesters. We usually choose London as the case study for different assignments for students. I constantly criticize the current situation of public transit and bicycle lanes. Now I found an opportunity to contribute to London's transportation master plan and I hope I can be of asset to this committee and the community.**

How will you support the work of a Community Advisory Committee? (max. 250 characters): **My primary research and teaching areas are GIS and transportation. I hope to contribute and add value to the committee by bringing in my skills to analyze and assess the proposed master plans of both transportation and bicycle. I personally have used public transit and bicycle for a year from the day I got in London, and even now, I use public transit as my primary mode of transportation. From London's people point of view, I know public transit and bicycle lanes are difficult to use and, in many cases, waste both time and energy of people. I try to bring these perspectives to the committee.**

Please describe additional experience, training, or community involvement that will help you in your role as a Community Advisory Committee Member. (max. 250 characters): **-Ph.D. candidate in GIS**

**-Teaching GIS and Transportation labs**

**-Guest lecturer of Transportation**

**-Chair of the scientific association of geospatial engineering department, University of Tehran (1year)**

**-High level of skills in python and ArcGIS**

Attach resume or other document here, if needed: **CV Milad Malekzadeh.pdf**

Attach more files here, if needed: **Paper - Milad Malekzadeh.pdf**

## Confirmations

I declare the following: **I am a resident of London. ; I am at least 18 years old.; I am not a City employee or Council member.; I understand that the commitment may be up to 4 hours per month to attend meetings and prepare.; I understand that my application and any attachments will be included on a public agenda that is published on the City website.**

To help inform our outreach activities, please tell us how you heard about this opportunity:  
(optional): **Other**

If you selected 'Other', please specify: **Contacted by the department of geography, western university**

Submitted on: **3/15/2022 4:21:23 PM**

# CURRICULUM VITAE

## PERSONAL INFORMATION

*Milad Malekzadeh*

## CONTACT INFORMATION

Postal Address: London, ON, Canada. N6G 1M2

## EDUCATION

- **2020-Present:** Ph.D. in GIS (Geographic Information System), Department of Geography, The University of Western Ontario, Canada  
**Research areas:** Human mobility analysis, Human activity space  
**Supervisor:** Dr. Jed Long
- **2017-2020:** M.Sc. in GIS, Department of GIS, University of Tehran, Iran  
**Thesis:** *Examining the Capability of Using Movement Data to Study the Effect of Urban Events on Movement Patterns*  
**Supervisor:** Dr. Farid Karimipour  
**Cumulative GPA:** 17.56 of 20
- **2016-2017:** Coursework towards an M.Sc. of **GIMA** (Geographic Information Management and Applications), Department of Geosciences, **University of Utrecht**, Netherlands
- **2012-2016:** B.Sc. in **Surveying Engineering**, Department of Surveying and Geomatics Engineering, College of Engineering, University of Tehran, Iran  
**B.Sc. Project:** Site Selection of Renewable Energy Powerhouse Using MCDM (Multi-Criteria Decision Making) Methods  
**Supervisor:** Dr. Farid Karimipour  
**Cumulative GPA:** 16.04 of 20

## PUBLICATIONS

- Long, Jed A., **Milad Malekzadeh**, Ben Klar, and Gina Martin. "Do regionally targeted lockdowns alter movement to non-lockdown regions? Evidence from Ontario, Canada." *Health & Place* (2021): 102668.
- **Milad Malekzadeh**, Jed Long. "A spatial model of changing demand for restaurants during COVID-19", CAG 2021: 71st Annual Meeting & Conference, Canada, June 2021

- **Milad Malekzadeh**, Farid Karimipour, Reyhane Javanmard. "Extracting Point of Interests from Movement Data Using Kernel Density and Weighted K-Means," ISPRS International Joint Conference (5<sup>th</sup> SMPR and 3<sup>rd</sup> GIResearch), Iran 2019
- Reyhane Javanmard, Roya Esmaeili, **Milad Malekzadeh**, Farid Karimipour. "Investigating the rhythms of Human Movements in Geneva Lake Region using MDC Data," ISPRS International Joint Conference (5<sup>th</sup> SMPR and 3<sup>rd</sup> GIResearch), Iran 2019
- **Milad Malekzadeh**, Farid karimipour. "Study of Changing Movement Patterns in the Face of Urban Events," 8<sup>th</sup> International Conference on Sustainable Development Urban Construction and Regeneration, Iran 2018
- **Milad Malekzadeh**, Reyhane Javanmard, Farid Karimipour. "Using Kernel Density to Interpret Human Urban Movement Characteristics Based on Movement Data," Geomatics and GIT Conference, Iran 2018

## RESEARCH INTERESTS

- Movement Analysis
- Human Activity space
- Urban Analysis
- Trajectory Analysis
- Context-Aware Systems

## HONORS, ACHIEVEMENTS, AND MEMBERSHIPS

- Granted the full funding package during Ph.D. studies
- Belonging to the top 10% of the graduating class, Department of GIS, University of Tehran **2018**
- Utrecht Excellence Scholarship (26000 Euros per year) **2016**
- 1<sup>st</sup> Ranked student in the election of Scientific Association of Geomatics Engineering (SAGE), University of Tehran **2014**
- Accepted through National University Entrance Exam to the University of Tehran, College of Engineering for B.Sc. degree in Surveying Engineering and Ranked among top 1% between 350000 participants **2012**

## TEACHING EXPERIENCES

Teaching Assistant of the following course at the Department Geography, The University of Western Ontario, Canada:

- Foundations of the Geography of World Business (2021)
- Transportation and GIS (2021)

Teaching Assistant of the following courses at the Department of Surveying and Geomatics Engineering, College of Engineering, University of Tehran, Iran:

- Cartography (Summer Semester 2018)
- Route Surveying (Summer Semester 2015)

- Route Surveying (Summer Semester 2014)
- Fieldwork of surveying I (Winter Semester 2014)

## ACADEMIC AND RESEARCH EXPERIENCES

- Research assistant in the geospatial lab, the University of Western Ontario (2020-Present)
- Research on polygon matching under the supervision of **Dr. Abbaspour**
- Research on Spatial Cognition. Advisor: **Dr. Karimipour**
- Research into monitoring the changes of the lake of *Qom* with remote sensing data (Landsat Data)
- Preparing a photogrammetric software by MATLAB (Interior and Exterior Orientation, Intersection, Resection, and Bundle Adjustment)
- Developing a Geodesy software by MATLAB (Inverse, Direct Problem and Datum Conversion)
- Developing an adjustment software by MATLAB (Least Square, Bowditch, Transit, and Ellipse Error for Control Points)

## WORK EXPERIENCES

- **Sep 2021 – Present:** Research Assistant at Geospatial Lab, The University of Western Ontario, Canada
- **May 2019 – Sep 2021:** GIS Expert at Naghsh Ara Co., Tehran, Iran.
- **Nov 2014 – Aug 2016:** Consultant Engineer at Azaran Banaye Marv Co., Tehran, Iran.
- **Nov 2012 – Oct 2014:** Survey Engineer at Toseeh Paydar Sahar Co., Tehran, Iran.

## CONFERENCES AND WORKSHOPS

- Co-Organizer of Computational Movement Analysis Computational Movement Analysis (CMA 2021) In Conjunction with The 21st International Conference on Computational Science and Its Applications (ICCSA 2021), University of Cagliari, Cagliari, Italy (**July 2021**)
- Co-Organizer of the 3<sup>rd</sup> ISPRS International Conference on Sensors and Models in Photogrammetry and Remote Sensing (SMPR2015), College of Engineering, University of Tehran, Tehran, Iran (**November 2015**).
- Co-Organizer of the 1<sup>st</sup> ISPRS International Conference on Geospatial Information Research (GIResearch2014), College of Engineering, University of Tehran, Tehran, Iran (**November 2014**).
- Co-Organizer of the 2<sup>nd</sup> ISPRS International Conference on Sensors and Models in Photogrammetry and Remote Sensing (SMPR2013), College of Engineering, University of Tehran, Tehran, Iran (**October 2013**).

## SOFTWARE AND HARDWARE SKILLS

- **Programming:** MATLAB, Python
- **Technical software:** ArcGIS, AutoCAD Civil3D (Basic), Envi (Basic)
- **Hardware Skills:** Total Stations, GPS, Levels, Theodolite.

## LANGUAGES

- Persian (Native)
- English (**TOEFL Score: 98 – GRE Score: 309**)
- Arabic (Familiar)
- French (Familiar)

## RECREATIONAL ACTIVITIES

### **Art:**

- Composing Music
- Playing Guitar
- Playing Piano (Basic)

### **Sports:**

- Football
- Volleyball (Intermediate)
- Ping-Pong (Intermediate)

## REFERENCES