

MAJID ALIVAND

Email: malivand@ufl.edu

EDUCATION

May 2011- June 2015	PhD, Geomatics School of Forest Resources and Conservation, University of Florida, Gainesville, FL
Sep. 2005- Sep. 2008	MSc, Geographical Information Systems (GIS) Faculty of Geomatics and Geodesy Engineering, K.N. Toosi University of Technology, Tehran, Iran
Sep. 2000- Sep. 2004	BSc, Surveying Engineering Faculty of Civil Engineering, University of Tabriz, Tabriz, Iran

WORK EXPERIENCE

May 2011- Present	Graduate Research Assistant Geomatics program, Fort Lauderdale Research and Education Center, University of Florida, Davie, FL <ul style="list-style-type: none">• Involved in spatiotemporal analysis of Volunteered Geographic Information (VGI) data sources• Involved in routing algorithms• Applied route choice models for scenic route computation• Involved in teaching graduate and undergraduate courses:<ul style="list-style-type: none">I. GIS Programming Fall 2012 and 2014II. Photogrammetry Lab Spring 2012, 2013 and 2014
July 2010- Dec. 2010	GIS Specialist National Cartographic Center of Iran (NCC), Tehran, Iran <ul style="list-style-type: none">• GIS programmer• SQL server specialist
Apr. 2010- July 2010	GIS Specialist Information Technology Architect (ITA), Tehran, Iran <ul style="list-style-type: none">• Site selection of communications base stations using 3D GIS
Dec. 2008- July 2010	Senior GIS Specialist Geospatial Information Processing (GIP), Tehran, Iran

- GIS project manager
- Implementing GIS and LIS
- GIS programmer

Apr. 2005-
Sep. 2005 **Land Surveyor**
Iran Amaj company, Tehran, Iran

- Field worker
- GPS specialist

July 2002-
Sep. 2002 **Intern- Land Surveyor**
Metro of Tehran, Tehran, Iran

- Field worker as co-surveyor
- AutoCAD specialist

HONORS and AWARDS

2015 **Outstanding PhD student of the year**
Geomatics program, School of Forest Resources and Conservation,
University of Florida, Gainesville, FL

2013 **NSF Travel Award**
ACM SIGSPATIAL 2013

2011 **Graduate Assistantship**
Geomatics program, University of Florida

2008 **Outstanding MSc student of the year**
Faculty of Geomatics and Geodesy Engineering, K.N. Toosi University of
Technology, Tehran, Iran

2007 **Outstanding Student Researcher Award**
GIS department, Faculty of Geomatics and Geodesy Engineering, K.N. Toosi
University of Technology, Tehran, Iran

PUBLICATIONS

Journal Papers

Alivand, M., & Hochmair, H. H. (under review). Spatiotemporal analysis of photo contribution patterns to Panoramio and Flickr. *Journal of Cartography and Geographic Information Science (CaGIS)*.

Alivand, M., & Hochmair, H. H. (forthcoming). Choice Set Generation for Modeling Scenic Route Choice Behavior Using GIS. *Transportation Research Record: Journal of the Transportation Research Board*.

Alivand, M., Hochmair, H. H., & Sivaramakrishnan, S. (2015). Analyzing how travelers choose scenic routes using route choice models. *Computers, Environment and Urban Systems*, 50, 41-52.

Alivand, M., Malek, M. R. & Alesheikh, A. A., (2008). Introducing a Risk Parameter for Evaluating the Optimal Path in Location Based Services, *Journal of Applied Sciences*, 8(23): 4284-4293.

Alivand, M., Alesheikh, A. A. & Malek, M. R. (2008). New Method for Finding Optimal Path in Dynamic Networks, *World Applied Sciences Journal*, Vol. 3(Supple 1): 25-33.

Conference Papers

Baker, K., Alivand, M., Slavkovikj, V., Mannens, E., Verstockt, S. (2014). Multi-modal route enjoyment prediction. *W3C Linking Geospatial Data Workshop (LGD14)*. London, United Kingdom.

Alivand, M., & Hochmair, H. H. (2013). Extracting scenic routes from VGI data sources. *Second ACM SIGSPATIAL International Workshop on Crowdsourced and Volunteered Geographic Information* (pp. 23-30). New York, NY: ACM.

Malek, M. R., Alivand, M., Amirian, P., Basiri, A., Sheleiby, M. (2008). A Context-Aware Mobile Touring and Navigation Through an Ontological Approach, *International Conference and Workshop on Architectural Heritage and Tourism*, 23 – 29th November, Florence, Italy.

Alivand, M., Malek, M. R., Alesheikh, A. A. (2007). Distributed Mobile GIS, *Map Asia Conference*, Kuala Lumpur, Malaysia.

TECHNICAL SKILLS

- **GIS software:** ArcGIS suites (Desktop, Engine, Server, Online)
- **Programming languages:** .NET technology (C#, VB)
- **GIS programming:** ArcObjects (using C# and VBA)
- **Database:** SQL Server
- **Statistics software:** R, SPSS, NLOGIT, CrimeStat, SatScan
- Working knowledge of ArcPy (Python), QGIS, ERDAS, AutoCAD, HTML, JavaScript
- Microsoft Office (Excel, Word, PowerPoint, Access)

SPECIALTIES

- Route choice modeling
- Spatio-temporal analysis of geospatial data
- Predictive statistical modeling
- Routing algorithms
- Data mining

LANGUAGES

- **English:** Fluent
- **Farsi:** Mother tongue