

- The third rank in GIS master program in GIS program at Geomatics Engineering Department, K.N. Toosi University of Technology, 2008.
- GIS Exemplary Researcher Award, K.N. Toosi University of Technology, 2006.

Publications:

[1] **Alivand M.**, Malek M.R., Alesheikh A., 2010. Improvements of Shortest Path Algorithms by Estimating the Risk in Mobile GeoInformation Systems, **Journal of Science and Technology**, Ferdowsi University of Mashhad, Iran [In Persian Language]

[2] **Alivand, M.**, A.A. Alesheikh and M.R. Malek, 2008. Introducing a Risk Parameter for Evaluating the Optimal Path in Location Based Services, **Journal of Applied Sciences**, 8(23): 4284-4293.
<http://www.scialert.net/fulltext/?doi=jas.2008.4284.4293>

[3] **Alivand, M.**, A.A. Alesheikh and M.R. Malek, 2008. New Method for Finding Optimal Path in Dynamic Networks, **World Applied Sciences Journal**, Vol. 3(Supple 1): 25-33.
[http://www.idosi.org/wasj/wasj3\(Supplement%201\)2008.htm](http://www.idosi.org/wasj/wasj3(Supplement%201)2008.htm)

[4] 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.
http://www.fondazione-delbianco.org/seminari/dett_prog.asp?start=1&idprog=94

[5] **Alivand M.**, Malek M.R., Alesheikh A., 2007. A Distributed Traffic Management System in Headstock of Mobile Network, First Urban GIS Conference, University of Shomal, Amol, Mazandaran, Iran [In Persian Language].

[6] **Alivand M.**, Malek M.R., Alesheikh A., 2007. Distributed Mobile GIS, Map Asia Conference, Kuala Lumpur, Malaysia.
<http://www.gisdevelopment.net/proceedings/mapasia/2007/PosterSession/index.htm>

[7] **Alivand M.**, Malek M.R., Alesheikh A., 2007. Mobile GIServices, NCC (National Cartographic Center of Iran) conference, Tehran, Iran, (In Persian Language)

[8] Y. Ebrahimian, Alesheikh A., **Alivand M.**, 2006. Moving Object Databases, NCC Conference, Tehran, Iran, (In Persian Language)

[9] **Alivand M.**, 2008. Mobile GIS, 2008. **Presentation** in NCC (National Cartographic Center of Iran), Tehran, Iran

On the Review papers:

[1] **Alivand M., Malek M.R., Alesheikh A., 2010.** Optimal Path Computations in Mobile Environments Through Space-Time Partitioning”, Submitted to the **CFP: Special Issue in Computers, Environment and Urban Systems ()**, Theme: Pervasive location acquisition-technologies and the related spatio- **CEUS** temporal analysis and data mining / knowledge discovery.

Work Experiences

**7/2010-
12/2010** **NCC** (National Cartographic Center of Iran)

Outline of the role: The project manager of integrating the Geodatabase of Iran Maps (save in Oracle Spatial 11g) and the database of Names of places in Iran (save in SQL Server). My responsibility is finding the ways that these two databases could be integrated.

**4/2010-
7/2010** **ITA** (Information Technology Architects)

Outline of the role: Project Manager of finding the places for the communications Base stations using a GIS

**12/2008-
7/2010** **GIP** (Geospatial Information Processing) Consulting
Engineers Company, Tehran, Iran

Outline of the role: The project manager of the GIS and Cadastre project of the properties of Mehrabad Airport. Responsible for more than 10 Engineers to do the entire project from surveying the site until implementing the GIS project.
Also, working as GIS expert on other parts of the company.

**9/2005-
3/2006** **ESC** engineering company, Tehran. Iran

Outline of the role: GIS Manager in the Project of Implementing a GIS and spatial database for disaster management.

**4/2005-
9/2005**

Iran Amaj Company, Tehran, Iran

Outline of the role: Field worker as Surveyor Engineer

**7/2002-
9/2002**

Metro of Tehran, Tehran, Iran

Outline of the role: Field worker as Co-Surveyor

Research Interests:

- Network Optimization, Mobile GIS, GIServices, LBS, Navigation, Transportation Systems, Distributed GIS, Context-Aware Computing

Computer Experiences:

- **Programming languages:** .Net Technology (C#.Net, VB.NET), VB6
- Programming in GIS (ArcObjects, MapObjects)
- Extensive experience in ArcGIS Packages
- Extensive experience in SQL Server DBMS
- Experiences in using Oracle Spatial11g
- Extensive Experiences in AutoCAD Packages