



دکتر رامین کیامهر (۱۳۴۷-ارومیه)

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همراه: ۰۹۱۲۷۴۰۵۱۰۳

- ✓ دانشیار نقشه برداری دانشگاه زنجان
- ✓ دکتری ژئودزی دانشگاه صنعتی سلطنتی سوئد (KTH) – استکهلم (۱۳۸۵)
- ✓ عضو هیات علمی دانشگاه زنجان، پایه ۲۰ مرتبه دانشجویی
- ✓ کارشناس رسمی استاندارد، در زمینه تدوین، آموزش و نظارت بر استاندارد مصالح ساختمانی و معدنی (۱۳۹۴ تاکنون)
- ✓ کارشناس رسمی دادگستری، امور ثبتی و نقشه برداری

❖ سمت های اجرایی: (سازمان نظام مهندسی معدن)

- عضو شورای مرکزی دوره هفتم و هیات رئیسه سازمان نظام مهندسی معدن ایران (۱۴۰۰/۱۰/۲۲ – سه سال)
- رئیس سازمان نظام مهندسی معدن استان زنجان (1392- 1394) (عضو پایه ارشد)
- رئیس گروه تخصصی نقشه برداری سازمان نظام مهندسی معدن استان زنجان (تاکنون-۱۳۹۸)
- مدیرآموزش سازمان نظام مهندسی معدن استان زنجان (1392-1394)

❖ سمت های اجرایی: (سازمان نظام مهندسی ساختمان)

- عضو کمیسیون استاندارد مصالح ساختمان شورای مرکزی نظام مهندسی ساختمان کشور
- نایب رئیس و عضو هیات مدیره سازمان نظام مهندسی ساختمان استان زنجان دوره هشتم (عضو پایه ارشد)
- عضو هیات مدیره سازمان نظام مهندسی ساختمان استان زنجان (دوره های پنجم و ششم، هفتم و هشتم)
- رئیس/عضو گروه تخصصی/کمیسیون نقشه برداری سازمان نظام مهندسی ساختمان استان زنجان (۱۳۷۲ - ۱۳۹۸ و ۱۳۹۸ تاکنون)

- دبیر هیات رئیسه سال سوم دوره ششم هیات مدیره سازمان نظام مهندسی ساختمان استان زنجان
- مدیر آموزش سازمان نظام مهندسی ساختمان استان زنجان (1392-1394)

❖ سمت های اجرایی: (خارج از نظام مهندسی)

- رئیس سازمان نقشه برداری استان آذربایجان غربی (1372-1373)
- نقشه بردار و مدیر نقشه برداری سازمانهای جهاد کشاورزی استانهای تهران و آذربایجان غربی (1365-1372)
- مدیر عامل شرکت مهندسین مشاور نقشه برداری مسیر پیمایش زنجان (تا سال ۱۳۸۱)

❖ سمت ها و سوابق علمی و پژوهشی دانشگاهی

- عضو هیات علمی گروه نقشه برداری دانشگاه زنجان با مرتبه دانشیاری
- مولف ۵ کتاب تخصصی به زبان انگلیسی و فارسی
- چاپ بیش از ۴۰ مقاله در مجلات معتبر علمی و ارائه بیش از ۷۰ مقاله در همایشهای بین المللی و کشوری
- استاد راهنمای بیش از ۹۰ پایان نامه دوره ارشد و دکتری
- مدیر گروه نقشه برداری دانشگاه آزاد اسلامی زنجان (1387-1395)
- مدیر گروه نقشه برداری ۱۳۷۸-۱۳۸۱
- دبیر رشته کارتوگرافی ۱۳۹۱ - ۱۳۹۶
- مدیر آموزش دانشکده مهندسی
- عضو کمیته منتخب دانشگاه آزاد اسلامی زنجان (1394-1397)
- دبیر ستاد رفاهی دانشگاه زنجان ۱۳۹۱-۱۳۹۲
- عضو هیات تحریریه مجله- Journal of Geodetic Science انتشارات Degruyter
- دبیر علمی همایش فناوری های نوین در علوم جغرافیایی ۱۳۹۶
- مدرس بین المللی مدلهای تعیین ژئونید (استکهلم، استانبول، قونیه، مالزی)
- عضو کمیته علمی همایش بین المللی بهداشت محیط (زنجان ۱۳۹۷)
- محقق مدعو دانشگاههای KTH (استکهلم) و Gavle کشور سوئد در زمینه مطالعات محیط زیست و تغییر اقلیم (۱۳۹۷ - ۱۳۹۸)

List of publications

•List the articles reviewed by experts/referees in international journals

1. Kiamehr R., 2018, *Determination of geostrophic currents in the Persian Gulf using the integration of satellite altimetry data and global geodetic model EGM2008*, J. Sepehr, Accepted.
2. Kiamehr R., Piri E., Shabo B. and Azeri M., 2017. *Analysis on spatial distribution of hotels in tourism destination, a case study of Kermanshah*, J. Urban Tourism, 3(1), 10.22059/jut.2017.61394
3. Kiamehr R, Rostami M. and Bayat R., 2016. *Optimum road location based on GIS, a case study in Ilam-Hamil road*, J. Sepehr, 24(96).
4. Kiamehr R and Chavoshinejad A, 2014. *Evaluation of the EGM2008 and GOCE global geoid models versus the Laplace points in Iran*, Iranian Geophysics Journal ,8:2
5. Kiamehr R. And Azizkhani MR, 2014. *Application of the Lidar Technology in Reconstruction of the 3D City Models*, Journal of Geographical Thought, 4(8):131-147
6. Kiamehr R. And Abrehdari M., 2011, *Depth model for Oman Sea, Based on the Topex-Poseidon Altimetry data*, J Geographic Space, 42 (21-36)
7. Nejat D. and Kiamehr R., 2013, *An Investigation of Accuracy of DGPS Network-based Positioning in Mountainous Regions, a Case Study in Alborz Network*, J. Acta Geodaetica et Geophysica, DOI: 10.1007/s40328-012-0003-3 (ISI)
8. Kiamehr R. And Abrehdari M., 2012, *A New Sea Surface Topography for Persian Gulf and Oman Sea Based on the Combination of the Satellite Altimetry Data and Geoid Models*, J Geographic Space, ISSN 1735-322X, 39 (139-155)
9. Sadatipour SMT, Kiamehr R, Abrehdari M and Sharifi AR, 2012, *The Evaluation of Sea Surface Topography Models based on the Combination of the Satellite altimetry and the Global Geoid Models in the Persian Gulf*, Int. J. Environ. Res., 6 (3): 457-464 (ISI)
10. Kiamehr R., Abrehdari M and Salkhordeh S. 2011, *Combination of Satellite Altimetry Data and EGM2008 Model for Evaluation of the Height Datum in Iran*, ECOLOGY, ENVIRONMENT AND CONSERVATION, 2011 (4) (ISI)
11. Kiamehr R. (2010) *The New Quasi-Geoid Model IRQGo9 for Iran*, J Applied Geophysics, 73(1): 65-73 (ISI)
12. Kiamehr R. And Sjöberg L.E. (2009) *An Optimum Way to Determine a Precise Gravimetric Geoid Model based on the Least-Squares Modification of Stokes's Formula-A case study in Sweden*. J. Acta Geodaetica et Geophysica, 45(2):148-164. (ISI)
13. Abrehdari M, Kiamehr R and Sadatipour MT (2010) *Determination of the Dynamics Parameters in South Marine Area of Iran Based on the Combination of Satellite Altimetry and Local IRGo4 and Global EGM2008 Geoid Models*, J of Marine Science and Technology, 53(73-) (ISI)

14. Kiamehr (2010) Situation of the Surveying Committees in Iranian Engineering Disciplinary Organization, *J Bana & Nama, Zanzan Construction Engineering Disciplinary Organization*, 1 (1): 2010
15. Ågren J., Sjöberg L.E., Kiamehr R. (2009), The New Gravimetric Quasi-Geoid Model KTHo8 over Sweden, *Journal of Applied Geodesy*, Volume 3, Issue 3, Pages 143–153.
16. Kiamehr R., (2008) Ambiguity Resolution Techniques Using Syntactic Data, Case Study: Comparison of the LAMBDA and KTH Methods, *Iranian Journal of Science & Technology, Transaction B, Engineering*, 32 (B5): 519-530 **(ISI)**
17. Kiamehr R. And Eshagh M., (2008) Estimating of variance components of ellipsoidal, orthometric and geoidal heights through the GPS/levelling Network in Iran, *J. Physics of Earth and Space*, 34 (3) -1-13. **(ISI)**
18. Kiamehr R. And Eshagh M. (2008) EGMLab, a scientific software for determining the gravity and gradient components from global Geopotential models, *J Earth Science Informatics*, 1 (2): 93-103, Springer **(ISI)**
19. Kiamehr R., Eshagh M., Sjöberg L.E., (2008) General geophysical patterns in Iran based on GRACE gradient component analysis, *J, Acta Geophysica*, 56 (2): 440-454, Springer **(ISI)**
20. Eshagh M., Sjöberg L.E., Kiamehr R, 2007, Evaluation of robust techniques in suppressing the impact of outliers in a deformation monitoring network – A case study on the Tehran Milad tower network, *J. Acta Geodaetica et Geophysica*, 42(4) 449-463. **(ISI)**
21. Kiamehr, R., 2007, Qualification and refinement of the gravity database based on Cross-Validation approach, A case study of Iran, *J. Acta Geodaetica et Geophysica*, 42(3): 285-295. **(ISI)**
22. M. Eshagh and R. Kiamehr, 2007, A Strategy for Optimum Designing of the Geodetic Networks from the Cost, Reliability and Precision Views, *J. Acta Geodaetica et Geophysica*, 42(3): 297-308. **(ISI)**
23. Kiamehr, R., 2007, A new height datum for Iran based on combination of the Gravimetric and GPS/levelling geoid models. *J. Acta Geodaetica et Geophysica*. 42.2007.1.4: 69-81. **(ISI)**
24. Kiamehr, R., 2006, The Impact of the lateral density variation model in determination of the precise gravimetric geoid in mountainous areas: A case study of Iran, *Geophysical Journal International*, 167(2):521–527, **(ISI)**
25. Kiamehr, R., and L.E. Sjöberg, 2006, Impact of the precise geoid model in studying tectonic structures- A case study in Iran, *J. Geodynamics*, 42(1-3): 1-11 **(ISI)**
26. Kiamehr, R., 2006, A Hybrid precise gravimetric geoid model for Iran based on recent GRACE and SRTM data and the least-squares modification of Stokes formula, *J. Physics of Earth and Space*, 32(1) 7-23
27. Kiamehr, R., 2006, A strategy for determining the regional geoid in developing countries by combining limited ground data with satellite-based global geopotential and topographical models: A case study of Iran, *J. Geodesy*, 79(10, 11): 602–612. **(ISI)**

28. Kiamehr, R., and Sjöberg, L.E., 2005, Effect of the SRTM global DEM on the determination of a high-resolution geoid model: a case study in Iran, *J. Geodesy*, 79(9):540-551. **(ISI)**
29. Kiamehr, R. and Sjöberg, L.E., 2005, Comparison of the qualities of recent global and local gravimetric geoid models in Iran, *J. Studia Geophysica et Geodaetica*, 49(3):289-304. **(ISI)**
30. Kiamehr, R. and Sjöberg, L.E., 2005, Surface Deformation Patterns Analysis Using 3D Finite Elements Method: A case study in Skåne area, Sweden, *J. Geodynamics*, 39(4):403-412. **(ISI)**
31. Kiamehr, R., 2003, The estimation of relative accuracy of GPS/levelling in Iran (In Persian), J Sepehr, Journal of Iranian National Geography Organization (NGO), 11(42):13-15.
32. Kiamehr, R., 1997, Landslide Monitoring by Using Geodetic Methods, A Case Study: Barekan, Taleghan Area, J Geographical Research, 47:(67-77) - (In Persian)
33. Kiamehr, R., 1996, Comparison of surveying & geodesy software, (In Persian), 1996, J Sepehr (Scientific Journal of Iranian National Geography Organization (NGO)).
34. Kiamehr, R., 1995, Geographic information system and Natural resources management (In Persian), Journal of Sonboleh, 8(76):58-60.
35. Kiamehr, R., 1994, Risk analysis of earthquake using strain analyze of geodetic monitoring network (In Persian), Journal of Sepehr (Scientific Journal of Iranian National Geography Organization (NGO)), 12 (3): 9-13

3.4. Other publications including books

Published Books:

1. Kiamehr. R. 2010, *Practical Concepts in Geoid Modelling, With Geophysical and Geodynamical Interpretations*, ISBN: 978-3-8383-3310-6, LAP Academic Publishing, Saarbrücken, Germany.
2. Kiamehr. R. 2011, *Advanced Techniques in Gravity Modelling (Geoid and Crustal Depth Modelling)*, ISBN: 978-3-8443-1608-7, LAP Academic Publishing, Germany.
3. Kiamehr. R. and Gholampour M., 2015, *Digital Signal Processing Based on Wavelet and MATLAB*, ISBN: 978-954-8885-63-7, Zanzan University Pub., Zanzan, Iran.
4. Kiamehr. R. And Sobouti A., 2011, *Application of MATLAB in Geomatics Science, Digital Signal Processing Based on Wavelet and MATLAB*, ISBN: 978-954-8885-63-7, Zanzan Islamic Azad University, Pub., Zanzan Iran.
5. Kiamehr, R., 2009, *Engineering Surveying from Theory to Practice*, ISBN: 978-964-223-289-5, Zanzan Islamic Azad University, Pub., Zanzan, Iran

Chapters in textbooks (reviewed)

1. Kiamehr, R., 2006, *Dynamics Planet*, Springer, 2006 (Book Chapter), ISBN978-3-540-49349-5

b. Other Papers (not reviewed)

- Full Paper Published/Presented

1. Kiamehr R. and Naseri A., 2017. *Optimal Routing Using TOPSIS and GIS Techniques (a Case Study: Dolat Abad-Hesar Highway in Qazvin Province*, First National Conference on New Technologies in Geographic Science, Zanjan, Iran.
2. Kiamehr R. and Dabestani M. 2017, *Optimal Location of Urban Parking Using GIS, a Case Study of Marivan in Kurdistan Province*, National Conference of Practical Applications in Civil Eng., Architecture and Urban Management, Tehran, Iran.
3. Kiamehr, R. 2014. *Analysis of Earthquakes Patterns in Iran Based on the Deflection of Vertical Components of the EGM2008 Global Geoid Model*, FIG Congress Engaging the Challenges Enhancing the Relevance, Kuala Lumpur, Malaysia.
4. Kiamehr, R. and Shirzad, T., 2012. *TIDE ANALYSIS IN PERSIAN GULF BASED ON SATELLITE ALTIMETRY DATA VERSUS TIDE GAUGES*, Earth Science Conference, Iranian Geological Organization, Tehran, Iran
5. Rezapour M., M., Kiamehr, R. and Karimzadeh, S., 2011, An investigation of the correlation between huge earthquakes ($MW > 6$) and geoid parameters in Japan, 1st International Conference on Urban Construction in the Vicinity of Active Faults, Tabriz-Iran
6. Abrehdari M., Kiamehr R. And Sadatipour SMT. 2011, Combination of the Satellite Altimetry Data and IRGo4 Local Geoid Model for Establishment of a New Height Datum in Iran, Geomatics 90 Conference, National Cartographic Centre, Tehran, Iran.
7. Kiamehr R. 2009, Optimization of the Geodetic Network for Monitoring of Dam, 2nd National Conference of Dams, Zanjan, Iran.
8. Abrehdari M., Kiamehr R. And Sadatipour SMT. 2009, Sea Surface Topography over the Oman Sea and Persian Gulf based on the satellite altimetry data, Geomatics 89 Conference, National Cartographic Centre, Tehran, Iran.
9. Kiamehr R. 2009, Statistical analysis of the traffic accident in Zanjan state, First National Conference of Traffic Accident, Zanjan Azad University, Zanjan, Iran.
10. Mostali M., Kiamehr R. And Azizi M. 2009, Analysis and processing of the traffic accident in Tehran state, First National Conference of Traffic Accident, Zanjan Azad University, Zanjan, Iran.
11. Motasharrei A., Kiamehr R. And Jafari Z. 2009, Determination of the crust thickness over the west Zagros area using Parker-Oldenburg approach, Geomatics 88 Conference, May 10, 2009, National Cartographic Centre, Tehran, Iran.

12. Motasharrei A., Kiamehr R. And Piri J. 2009, Estimation of the crust thickness in Iranian Plateau- Azerbaijan area, Geomatics 88 Conference, May 10, 2009, National Cartographic Centre, Tehran, Iran.
13. Kiamehr R., 2008, Application of the Modern Geodetic Methods for Monitoring of Dams, Zanzan AIU, Zanzan, Iran.
14. Ågren J., Kiamehr R. And Sjöberg LE. 2008, Computation of a New Gravimetric Geoid Model over Sweden using the KTH method, FIG Working Week 2008, Stockholm, Sweden
15. Motasharrei A, Piri J., Kiamehr R., Zomorrodian H., 2008, Crustal and Isostatic Model for North-West of Iran Plateau Using Gravity Data, European Association of Geophysics and engineers (EAGE), Conference of Geosciences-From New Ideas to New Discoveries, 7 - 10 April 2008, Saint Petersburg, Russia.
16. Kiamehr R. 2007, Application of the least-squares modification of the Stokes formula in computation of the Iranian geoid model, Proceeding 38th Annual Iranian Mathematics Conference, 3-6 Sept., Zanzan University, Zanzan Iran
17. Kiamehr R. 2007, An Optimum Local Geoid Model for Iran Based on The Least-Squares Modification of Stokes's Formula, Geomatics 86 Conference, National Cartographic Centre of Iran, Tehran, Iran.
18. Ågren J., Kiamehr R. And Sjöberg LE. 2006, The Swedish geoid as evaluated by the method of least-squares modification with additive corrections, the first International Symposium of the International Gravity Field Service (IGFS), August 28 – 1 September 2006, Istanbul, Turkey.
19. Ågren J., Kiamehr R. and Sjöberg L.E., 2006, Progress in the Determination of a Gravimetric Quasigeoid Model over Sweden, Nordiska Kommissionen för Geodesi (NKG) General Assembly, May 29 to 2 June, Copenhagen, Denmark
20. Kiamehr, R., 2004, The Relative Accuracies of Recent Satellite Gravimetric Models in Iran, Proc. Geoid and Space Missions Symposium 2004 (GGSM2004) (CD-ROM), August 30th-September 3rd, 2004, Porto, Portugal.
21. Kiamehr, R., 2004, Success Rate Determination of GPS Ambiguity Resolution Using Syntactic Data, Position Location and Navigation Symposium (PLANS 2004), IEEE
22. Kiamehr, R., 2003, Comparison relative accuracy of EGM96 and Iranian gravimetric geoid, 6Th International conference of Civil Eng., Isfahan University of Technology, Iran. Pages 537-544.
23. Kiamehr, R., 2003, Multi-object optimization of Geodetic Network, Proc. NCC Geomatics 82 Conferences (CD-ROM), Tehran, Iran.
24. Kiamehr, R., 2002, Optimal fitting of GPS/Levelling and FFT geoid in Iran, NCC Geomatics 81 Conferences, Tehran, Iran.
25. Kiamehr, R., 2001, Potential of Iranian geoid for GPS/Levelling, (University research project in Persian), Proc. NCC Geomatics 80 conferences (CD-ROM), Tehran, Iran.

26. Kiamehr, R., M. Abbasi, M. Behneyan and J. Bayat, 2001, Landslide monitoring using geodetic network (University research project in Persian), Presented and published in Proc. NCC Geomatics 80 conferences & annual Iranian geologist symposium, Tehran, Iran (In Persian).
27. Kiamehr, R., 1997, Iranian geoid problem and recommendation, 1997, 4th International Conferences of civil engineering, Sharif University of Technology, Tehran, Iran.
28. Kiamehr, R., 1997, Landslide Monitoring by Using Geodetic Methods (In Persian), Iranian Geologist Association Congress, Tehran, Iran.
29. Kiamehr, R., 1994, Application of GIS in forest management (In Persian), International Conferences of Forest and Industry, pp. 51-72, Tehran, Iran.

- Abstract Paper Published/ Presented

1. Kiamehr R., 2016. A Combined SRTM Digital Elevation Model for Zanjan State of Iran Based on the Corrective Surface Idea, 18st EGU General Assembly, Vienna, Austria
2. Kiamehr R., 2012, Evaluation of the SRTM ASTER and photogrammetric digital elevation models versus GPS/levelling data in Iran, 18st EGU General Assembly, Vienna, Austria
3. Kiamehr R., 2011, A New Moho Depth Model for Iran Based on the High Resolution EGM2008 Global Geopotential Model, Geophysical Research Abstracts, Vol. 13, EGU2011-734, 2011
4. Kiamehr R. and Faegh N., 2011, Calibration of the Gravimetric Crustal Depth Model in Iran Based on the Sparse Seismologic Data, Geophysical Research Abstracts, Vol. 13, EGU2011-982, 2011
5. Kiamehr R., 2010, A combined crustal depth model for Iran based on the gravity and seismological data, Geophysical Research Abstracts, Vol. 12, EGU2010-27
6. Beheshti S.A.H and Kiamehr R., 2010, A new crustal Moho depth model for Iran based on the seismic data, Geophysical Research Abstracts, Vol. 12, EGU2010- 125
7. S. Salkhordeh S. and Kiamehr R., 2010, Studying the Karst Phenomenon Based on Geoelectric and Polarization Surveys (A Case Study in Gheidar Plain Aquifer, Zanjan, Iran), Geophysical Research Abstracts, Vol.12, EGU2010-2186
8. Ågren J., R.Barzaghi, D.Carrion, H.Denker, V.N.Grigoriadis, R.Kiamehr, G.Sona, C.C.Tscherning, I.N.Tziavos 2009, Different geoid computation methods applied on a test dataset: results and considerations, VII Hotine-Marussi Symposium Rome 6-10 July 2009.
9. Kiamehr R., M.T. Sadatipour, and M. Abrehdari 2009, A New Sea Surface Topography Model for the Persian Gulf and Oman Sea Based on the High-Resolution Local and Global Geoid Models, Geophysical Research Abstracts, Vol. 11, EGU2009-12051
10. Kiamehr R. and D. Gomez-Ortiz 2009, A new 3D Moho depth model for Iran based on the terrestrial gravity data and EGM2008 model, Geophysical Research Abstracts, Vol. 11, EGU2009-321-1.

11. Sjöberg L.E., Kiamehr R. and Ågren J. 2009, Least Squares Modification of Stokes Formula vs. Remove-Compute-Restore Technique, Geophysical Research Abstracts, Vol. 11, EGU2009-4068-2.
12. Kiamehr R., 2009, Evaluation of the New Earth Gravitational Model (EGM2008) in Iran, Geophysical Research Abstracts, Vol. 11, EGU2009-330.
13. Kiamehr R., 2008, Toward a new quasi-geoid model and normal height datum for Iran based on the recent GRACE model, Geophysical Research Abstracts, Vol. 10, EGU2008-A-00490, 2008
14. Ågren J., Kiamehr R. And Sjöberg L.E., 2007, Numerical Comparison of Two Strategies for Geoid and Quasi-Geoid Determination over Sweden, XXIV IUGG General Assembly, July 2nd to July 13th 2007, Perugia, Italy.
15. Ågren J., Kiamehr R. And Sjöberg L.E., 2006, The Swedish Geoid as Evaluated by The Method of Least Squares Modification with Additive Corrections, 1st International Symposium of the International Gravity Field Service, 28 August-01 September 2006, Istanbul, Turkey
16. Kiamehr, R., 2003, Comparison of SDRMap and Surfer Mapping Software (In Persian), Zanzan University, Zanzan, Iran.
17. Kiamehr, R., 2003, Situation of Surveying Engineers in Disciplinary of Iranian Organization (In Persian), Reports, Zanzan University, Zanzan, Iran.
18. Kiamehr, R., 2002, Application of tensors in geodesy, The Second International Symposium of mathematics (Iran-Azerbyjan), Zanzan University, Iran.
19. Kiamehr, R., 2001, Monitoring Subsidence of the Earth in Oil Exploration Area (In Persian), University Technical Report in Persian, Zanzan University, Zanzan, Iran.
20. Kiamehr, R., 1996, Application of Satellite Image and Airborne Laser Ranging in Management of Snow Cover Area, presented at 3Th student conference of Civil Eng., K. N. Toosi University, Tehran, Iran and published in the Journal of Sepehr.
21. Kiamehr, R., 1995, Application of generalized Inverse Matrixes in Adjustment of Deformation Monitoring Network, presented in 2Th student conference of Civil Eng., Tehran University, Tehran, Iran.
22. Kiamehr, R., 1994, Application of Geographical Information System (GIS) in Urban Management, presented in 1Th student conference of Civil Eng., Sharif University of Technology, Tehran, Iran