

**HODJAT GHADIMI**  
*Regional Research Institute  
West Virginia University  
3040 University Avenue  
Morgantown, WV 26505-6825  
Tel: (304)293-4101  
Fax: (304) 293-6699  
E-mail: Hodjat.Ghadimi@mail.wvu.edu*

## **ACADEMIC APPOINTMENTS**

Research Associate, Regional Research Institute, West Virginia University  
Adjunct Professor, Geology and Geography, West Virginia University  
Assistant Professor, Shahid Beheshti University

## **EDUCATION**

1987-93                    **The Ohio State University, Columbus, Ohio**  
Doctor of Philosophy in City and Regional Planning  
Major field of research: Development Planning in Developing Countries  
Minor: Quantitative Methods, Computer Applications

1985-87                    **The Ohio State University, Columbus, Ohio**  
Master's in City and Regional Planning

1975-79                    **Lawrence Technological University, Southfield, Michigan**  
Bachelor of Science in Architecture

## **PROFESSIONAL EXPERIENCE: ACADEMIC**

Fall 005 – Present        **Regional Research Institute, West Virginia University**  
Research Associate Professor  
Conducting scholarly research, modelling regional development processes,  
managing and coordinating interdisciplinary proposal preparation and  
research projects.

Fall 1993 – 9/2005        **Shahid Beheshti University (formerly National University of Iran)**  
Faculty member (Planning Dept. Chair 2/004-9/005)  
Taught computer applications, quantitative methods, urban and regional  
modelling, urban and regional planning courses for the graduate programs in  
architecture and planning; developed new courses on intelligent built  
environment, and development planning.

Fall 1993 - 1997         **University of Tehran, College of Fine Arts**  
Part Time Faculty  
Taught information technology in architecture, and national and regional  
planning courses in the Ph.D. programs in Architecture and in Urban and  
Regional Planning.

1986 – 93

**Department of City & Regional Planning, The Ohio State University**

**A. Graduate Research Assistant Position**

Research assistant to Richard Florida on venture capital and analyses of high technology complexes in the United States. I developed a unique database to capture the regional structure of venture capital investment in the US.

Collaborated on using input-output modeling to analyze the economic impact of the AmeriFlora'92 (International Floral Exposition) on the Metropolitan Columbus area.

**B. Teaching Assistant Position**

Assisted with the following graduate courses:

- Economic Influences on Architecture
- Physical Elements of Urban Development
- The Urban General Plan
- Application of Quantitative Methods in Planning
- Planning Data and Forecasting
- Methods of Project Analysis for Developing Countries

In this capacity I taught computer applications, analytical methods, and project analysis methods in developing countries. I also organized and supervised short-term study programs for international students visiting our department on UNDP grants.

**PROFESSIONAL EXPERIENCE: NON-ACADEMIC**

9/2002 – 11/2004

**Ministry of Information and Communication Technology**

**Technical Director of TSITP Project**

Directed strategic planning process for Tehran Software and IT Park (TSITP) – a project envisioned by the Ministry of Information and Communication Technology and Municipality of Tehran to study and establish an IT park in the city of Tehran.

10/2000 – 6/2002

**Municipality of Tehran**

**Project Director, Tehran Strategic Planning Center**

Set up a Planning Support System (PSS) as a basis for constructing a large scale urban model for drafting strategic plan of Tehran. This PSS was also used for coordinating various urban development projects.

9/96 – 9/98

**Ministry of Housing and Urban Development**

**Director of ICIC project**

Planned and directed a project to establish Iran Construction Information Center (ICIC) – a research and development center concentrating on applications of information technology in the design and construction sector and serving as the national focal point for the information related to construction sector.

9/95 – 9/96

**Center for Architecture and Urban Design Studies, Tehran**

**Member, Scientific Advisory Council**

Reviewed research proposals and research reports; oversaw the preparation of master plan for the greater Tehran urban region.

6/95 – 9/96

**High Council of Informatics, Plan and Budget Organization**

**Head of GIS Standards Committee**

This committee was a part of the information technology standard setting body and was responsible for drafting standards for Geographic Information Systems (GIS).

- 2/94 – 3/95      **Research Center for Tourism, Ministry of Culture and Islamic Guidance**  
Member of Research Council; Consultant  
Reviewed research proposals submitted to the center; developed a DSS (Decision Support System) for tourism industry in Iran. Served as a member of the steering committee for the preparation of national tourism master plan.
- 1982-85      **Rural Areas' Research Center; Tehran, Iran**  
Planner and Designer  
Responsible for economic feasibility and impact analyses of regional development projects. Designed public buildings for rural centers.
- 1980 – 82      **Organization of City Development, Hamedan, Iran**  
Technical Officer, Member of the Board of Directors  
Responsible for the physical development projects and implementation of the comprehensive plan.
- 1978 – 79      **Barton Malow Construction Company, Detroit, Michigan**  
Programmer / Monitor  
Prepared CPM programming of large construction projects and monitored the implementation process.
- 1976 – 78      **Interiors Unlimited, Southfield, Michigan**  
Part time Designer  
Engaged in designing and presenting interiors for commercial and office spaces.

## ACADEMIC ACTIVITIES

### **Courses taught (all in Masters & Ph.D. programs):**

- Information Technology in Architecture
- Intelligent Built Environment
- Computer Applications in Planning/Architecture
- Modelling in Urban and Regional Planning
- National and Regional Planning
- Systems Theory for Designers/Planners
- Project Management and Professional Practice
- Thesis Seminar and Research Methods
- Management of Sustainable Development
- Urban and Regional Planning Studios

### **A Sample of Masters Thesis Advised:**

- 1995      Ghajar-Ghovanlo, Babak. An analysis of information requirements for planning and management of large cities: Case of Tehran.
- 1996      Ghadirian, Payam. Geographic information system applications in planning and managing urban water and sewerage networks.
- 1997      Zal-abadi, Shahram, and Shahram Asgari. Designing an information system for urban spatial analysis: A case of an urban district in Tehran.
- 1998      Zamani, Ebrahim. Impact analysis of greater Tehran's new urban rail-transit system on spatial development of city of Karaj.

- 1998                    Vatankhah, Mohsen. Spatial planning of Ahvaz region.
- 1999                    Komeili, Mohammad. Impact analysis of transportation network on urban decentralization.
- 1999                    Jamshid-zadeh. Ebrahim. Application of input-output modelling in regional planning: Case of Gilan province.
- 2000                    Taliei, Hasan. Designing an urban information system for intermediate cities: Case of city of Kashan. (This thesis was winner of 3<sup>rd</sup> prize in Kharazmi Forum)
- 2000                    Masoumi, Masoud. Strategic planning for regional tourism: Case of Hamadan province.
- 2000                    Faraji Zanjani, Hasan. Spatial planning for Soltanieh region.
- 2001                    Farhadipour, Ahmad. A model for spatial economic analysis of low income housing.
- 2002                    Alimohammadi, Hamid. Regional impact analysis of dam construction: Case of Saimareh dam in Dareh-Shahr region.
- 2003                    Kerachian, Mojtaba. Impact analysis of IT applications in providing public urban services: Case of Municipality of Tehran.

### **Other Activities:**

Directed planning and establishing of Iran Construction Information Center (ICIC); a research center approved by the High Council of Higher Education of Iran.

Served as a member of scientific council on a number of national and international conferences in the fields of planning, design, and construction

Participated in an international summer school on Applied General Equilibrium Models (AGEM) at International Institute for Applied Systems Analysis (IIASA), Laxenburg Austria (1991). An internationally known faculty led this Harvard University summer school.

Assistant editor of the *Journal of Planning Literature* (published by the Ohio State University Press) 1986/87.

### **PUBLICATIONS, PRESENTATIONS, & REPORTS:**

Energy in a resource-based regional economy: A dynamic general equilibrium analysis Research Paper #2008-02, Regional Research Institute, West Virginia University. Presented at 47<sup>th</sup> Annual Western Regional Science Association Meeting. February 2008.

Economic Development Planning in Oil Economies: A Dynamic Computable General Equilibrium Analysis VDM Verlag Dr. Mueller e.K. ISBN: 978-3836434553. November 2007.

CGE Modeling and Applications: A Short Course A teaching resource on Regional Research Institute website (<http://www.rr.i.wvu.edu/CGECourse/index.htm>), West Virginia University. June 2007.

Global impact of energy use in oil economies of the Middle East: A modeling framework for analyzing technology-energy-environment-economy chain. Research Paper #2007-5, Regional Research Institute, West Virginia University. Presented at Southern Regional Science Association's 46<sup>th</sup> Annual Meeting. March 2007.

An Optimal Depletion CGE Model: A Systematic Framework for Energy-Economy Analysis in Resource-based Economies. Research Paper #2006-11, Regional Research Institute, West Virginia University. July 2006.

A Dynamic CGE Analysis of Exhaustible Resources: The Case of an Oil Exporting Developing Country Research Paper 2006-7, Regional Research Institute, West Virginia University. May 2006. Submitted for publication.

Strategic Planning of Science and Technology Parks. A presentation at School of Architecture and Urban Planning, Shahid Beheshti University. March 2005.

Identifying and Evaluating Site Options for Tehran Software and Information Technology Park (TSITP) A report on location and site analysis for TSITP project prepared for the Ministry of Information and Communication Technology and the Municipality of Tehran. June 2003.

Vision and Visioning for an IT Park. A report on the visioning and consensus building among key decision makers and stakeholders of Tehran Software and IT Park project prepared for the Ministry of Information and Communication Technology and the Municipality of Tehran. April 2003.

Planning Support System. A comprehensive spatial and non-spatial information system prepared for the Municipality of Tehran to be used for strategic planning and construction of integrated transportation and land use model. March 2002.

National Housing Strategy. A report prepared for the ministry of Housing and Urban Development; presented at the cabinet meeting. March 4, 2000. (In Persian)

Social Accounting Matrix of Iran. Part of a project to construct a CGE model for Iran. Research Center of the Parliament of Iran. April 5, 2000. (In Persian)

Applications of information technology in construction sector. Published at Sharif Journal. No. 15. 1999. (In Persian)

Intelligent buildings and cities: Physical impacts of information revolution. Presented at the Second Environmental Engineering & Architecture Forum. June 22-24, 1999 Tehran, Iran. (In Persian)

Information technology and physical development. Presented at the workshop organized by Association of Iranian Civil Engineers. October 19, 1998. (In Persian)

Using Information technology in housing construction. Presented at Conference of the outlook of housing in the Second Development Plan. Ardabil, July 8. 1997. (In Persian)

A review of GIS technology in Iran. Published in Khabarnameh Informatic. No 61, pp 95-102. 1996. (In Persian)

GIS standards, why and how? Published in Khabarnameh Informatic. No. 60. Pp 93-100. 1995. (In Persian)

Energy-economy interaction analysis in oil exporting developing countries: A dynamic multisectoral framework. A paper presented at the Sixth International CGE Modelling Conference, University of Waterloo, Canada. October 26-28, 1995.

Geographic Information Systems (GIS) standardization initiatives in Iran. Presented at the ESCAP Expert Group Meeting. Kuala Lumpur, Malaysia, September 20-22, 1995.

Development planning in oil economies. Presented at Plan and Budget Organization. October 3. 1994. (Partly printed in Ettelaat daily news paper). (In Persian)

Energy sector and national economy: A quantitative analysis. Presented at National Energy and Economy Conference. January 24, 1994. Tehran. (In Persian)

A dynamic computable general equilibrium (CGE) model for Iran. Submitted to the Second Conference on Planning and Development, Tehran, Iran 1992.

An optimal depletion computable general equilibrium (CGE) model. Presented at the summer school at the International Institute for Applied Systems Analysis (IIASA), Laxenburg Austria (1991).

A simple computable general equilibrium model: Development and implementation on GAMS. Unpublished manuscript, Department of City and Regional Planning, The Ohio State University (1990).

A dynamic two region model: An optimal control analysis. Unpublished manuscript, Department of City and Regional Planning, The Ohio State University (1989).