

NAFISSEH HEIAT
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AREAS OF PROFESSIONAL COMPETENCE

Management Information Systems, Geographic Information Systems (GIS), Decision Support Systems, Database Management/Programming (using Access and Oracle), Data Warehousing and Data Mining, Web Design and Development (using Dreamweaver), Microcomputer Applications, VISUAL BASIC, COBOL, and FORTRAN programming languages, Systems and Quantitative Analysis.

EDUCATION

Ph.D. in Systems Science, Portland State University, Portland, OR, June 1988. Major field of study: Systems Science. Minors: MIS and Decision Support Systems.

M.B.A. (with honors), Oklahoma City University, Oklahoma City, OK, December 1975. Major field of study: Management. Minor: Management Science.

B.A. in Business Administration, Tehran Business College, Tehran, Iran, June 1971. Major field of study: Business Administration. Minors: Management, Economics.

TEACHING EXPERIENCE

Professor, Information Systems, Montana State University-Billings, MT, September 1988-Present.

Courses taught: Business Application Software; Introduction to MIS; COBOL Programming; Structured Programming; Database Management (for desktop databases and database servers); Database Programming, Decision Support Systems, Geographic Information Systems, VISUAL BASIC Programming (versions 5, 6 and .NET); Web Design, Development and Implementation; End-User Data Management (graduate program).

Instructor, Information Systems and Quantitative Analysis Department, Portland State University, Portland, OR, September 1985-August 1987, Part-time (taught two courses per quarter).

Courses taught: Introduction to Data Processing, Systems and Quantitative Analysis.

MEMBERSHIP

1. Decision Sciences Institute.
2. Montana GIS Users' Group.

OTHER PROFESSIONAL EXPERIENCE

Director of Student Loan Program, Mostazafan Foundation of New York, New York, NY, May 1982-July 1984, full-time.

Supervised the affairs, and developed a database for the Student Loan Program.

Analyst and Programmer, North West Energy Policy Workshop, Portland, Oregon, January 1980-September 1980, part-time.

Conducted research on the international oil market, and developed models for forecasting the price of oil. Model development included design, computer coding, documentation, and verification of the model.

Research Assistant, Systems Science Program, Portland State University, Portland, Oregon, September 1980-March 1982 and March 1985-June 1985, part-time.

Conducted research and prepared documentation; main areas of research included systems analysis, database design, application of spreadsheets in business and economic analysis.

RESEARCH AND PUBLICATIONS

“Analysis of the Relationship between Per Capita Income and Educational Background: Special Case of Montana’s Economy”, Proceedings of 39th Annual Meeting of Western Decision Sciences Institute, April, 2010.

“Forecasting the Nikkei Average: A Comparison between Neural network and regression Analysis”, European Journal of Management, Summer 2009, Co-authored with Dr. Abbas Heiat.

“Visualization of Relationships among Predictors of Nikkei Index”, International Journal of Global Business and Economics, Spring 2009, Co-authored with Dr. Abbas Heiat.

“Medical Data Mining and Knowledge Discovery”, Proceedings of 37th Annual Meeting of Western Decision Sciences Institute, March, 2008.

“Measuring Consumer Preferences for Thrift Stores”, International Journal of Business Research, October 2007, Co-authored with Dr. Abbas Heiat.

“Data Mining in Medicine”, Proceedings of 36th Annual Meeting of Western Decision Sciences Institute, April, 2007.

“Using Data Mining in Fund Raising”, Proceedings of 35th Annual Meeting of Western Decision Sciences Institute, April, 2006.

"Factors Affecting Internet Usability for Commercial Web Sites", Proceedings of 34th Annual Meeting of Western Decision Sciences Institute, March, 2005.

"Effects of Internet Growth on Business Models" co-authored with Abbas Heiat, Proceedings of 34th Annual Meeting of Western Decision Sciences Institute, March, 2005.

"Issues in Data Mining for Medical Research" co-authored with Abbas Heiat, Proceedings of 34th Annual Meeting of Western Decision Sciences Institute, March, 2005.

"Relationship between Team Size and Effort Required Developing an Information Systems", Proceedings of The 33rd Annual Meeting of Western Decision Sciences Institute, April, 2004.

"Web-Based Systems: Issues and Challenges", Proceedings of The 32nd Annual Meeting of Western Decision Sciences Institute, April, 2003.

"Using Neural Networks to Predict Survival Rates in Brain Tumor Cases", Proceedings of The 31st Annual Meeting of Western Decision Sciences Institute, April, 2002.

“GIS and E-commerce”, Proceedings of The 30th Annual Meeting of Western Decision Sciences Institute, April 2001.

“Using GIS as a Fund Raising Tool for Academic Foundations”, Proceedings of The Annual Intermountain GIS Users’ Conference, April 2001.

"Data Mining, Knowledge Discovery, and Data Warehouse", Proceedings of The 29th Annual Meeting of Western Decision Sciences Institute, April, 2000.

"Hybrid Intelligent Systems: Issues and Challenges", co-authored with Abbas Heiat, Proceedings of The 28th Annual Meeting of Western Decision Sciences Institute, April, 1999.

"Using GIS as a Spatial Decision Support Systems", co-authored with Abbas Heiat, Proceedings of The 28th Annual Meeting of Western Decision Sciences Institute, April, 1999.

"A Model for Estimating Efforts Required for Small-Scale Software Development", co-authored with Abbas Heiat, The Journal of Systems and Software, Fall 1998.

"GIS in Health Care ", Proceedings of The tenth Annual Montana GIS Conference, April 1998.

"Web-Based Training: Issues and Challenges ", co-authored with Abbas Heiat, Proceedings of The 27th Annual Meeting of Western Decision Sciences Institute, April, 1998.

"Creativity & Information Systems Analysis & Design ", co-authored with Abbas Heiat, Proceedings of The 27th Annual Meeting of Western Decision Sciences Institute, April, 1998.

"GIS in Business: A Look at Its Past and Possibilities for Future ", Proceedings of The 26th Annual Meeting of Western Decision Sciences Institute, April, 1997.

"Using GIS in Real Estate ", Proceedings of The Ninth Annual Montana GIS Conference, April 1997.

"Integration of GIS into Business Curriculum: Issues & Approaches for Business Schools", Proceedings of The 25th Annual Meeting of Western Decision Sciences Institute, April, 1996.

"Using GIS to Develop an Employer Database for Career Services/Placement in an Academic Environment", Proceedings of The Eighth Annual Montana GIS Conference, April 1996.

"Future Software Training Needs: Contrasts in Needs as Perceived by Business and Academia", co-authored with Abbas Heiat and Jan Spicer, Journal of Information Systems Education, Fall 1995.

"Using GIS to Assess Bank Loans: A Case of Hotel Loans", Proceedings of the 24th Annual Meeting of Decision Sciences Institute, April 1995.

"Using GIS for Enrollment Management in an Academic Environment", Proceedings of the 23rd Annual Meeting of Decision Sciences Institute, March 1994.

"An Empirical Study of the Practitioners' and Academics' Views of MIS Curricula", co-authored with Abbas Heiat and Jan Spicer, Interface, Vol. 15, Issue 3, 1994.

"Determination of End-Users' Requirements: The Effect of CASE Technology on Communications Among Participants", co-authored with Abbas Heiat, Proceedings of the 22nd Annual Meeting of Decision Sciences Institute, March 1993.

"Evaluation of Design Tools: An Experimental Study" co-authored with Abbas Heiat, Proceedings of the 21st Annual Meeting of Decision Sciences Institute, March 1992.

"The Effect of the Integration of CASE Tools On Student Learning", co-authored with Abbas Heiat, Interface, Winter 1992.

"Integration of CASE Tools in MIS Curricula", co-authored with Abbas Heiat, Proceedings of the 19th Annual Meeting of Western Decision Sciences Institute, March 13-16, 1990.

PUBLISHED COURSE MATERIAL

Microsoft Excel, October 1996.
Introduction to Windows, Part II, November 1995.
Introduction to Windows, November 1993 , 1994 and 1995.
More on Wordperfect, October 1992.
WordPerfect for Accounting Professionals, October 1991.
Forecasting Using Lotus Add-Ins, November 1991.
Decision Support Systems, November 1990.
Introduction to COBOL, September 1989.

OTHER SCHORLY ACTIVITIES

President – Elect, Western Decision Sciences Institute since April 2009.

Program Chair/Vice President for Programs/Proceedings Editor, Western Decision Sciences Institute April 2008-April 2009.

Member of the Board of Directors (Vice President for Programs - Elect), Western Decision Sciences Institute April 2007-April 2008.

Track Chair for Management Information Systems, Western Decision Sciences Institute, April 2007-April 2008.

Member of the Board of Directors (Vice President for Member Services), Western Decision Sciences Institute April 2006 – April 2007.

Member of the Board of Directors (Vice President for Information Systems), Western Decision Sciences Institute, Developing and maintaining institute's web site and proceedings database April 2003 – April 2006.

Track Chair for Innovative education: Curricular delivery, Western Decision Sciences Institute, April 2001 – May 2004.

Reviewer, Western Decision Sciences Institute, since September 1995.
Session Chair, Discussant, Western Decision Sciences Institute, since September 1994.

Reviewer, Journal of Business and Management, since September 1997.

PARTICIPATION IN TRAINING SEMINARS

Attended SAS Corporation M2009 Data Mining Conference, Las Vegas, NV, October 25-28, 2009.

“Certificate of Completion for Advanced Predictive and Decision Tree Modeling for Educators”, SAS, Long Beach, CA, summer 2009.

“Certificate of Completion for SAS Advanced Programming Essentials for Educators”, SAS, Long Beach, CA, summer 2008.

“Certificate of Completion for SAS Advanced Applied Analytics for Educators”, SAS, Long Beach, CA, summer 2008.

“Certificate of Completion for SAS Text Mining for Educators”, SAS, Cary, NC, summer 2007.

“Certificate of Completion for SAS Programming Essentials for Educators”, SAS, Cary, NC, summer 2007.

“Certificate of Completion for SAS Applied Analytics Using SAS Enterprise Miner 5”, SAS, Cary, NC, summer 2007.

“Data Mining Enhancement”, Self Study Online Course by Oracle Corporation since summer 2006. This training was funded through a grant from the RACE committee at MSU-B in 2006.

“Oracle Database 10g: Administration Workshop I & II”, Self Study CD Course by Oracle Corporation since Summer 2006. This training was funded through a grant from the RACE committee at MSU-B in 2006.

Attended the “Implement and Administer a Data Warehouse” training seminar offered by Oracle Corporation in Denver, in August 2006. This training was funded through a grant from the RACE committee at MSU-B in 2006.

Attended the MedModel simulation training seminar offered by ProModel Corporation in Wyoming, in October 1998. Received a grant for \$2000 from ProModel Corporation for the training.

Attended the “MapBasic” training seminar offered by MapInfo Corporation in New Port Beach , Ca, in December, 1995. This training was funded through a grant from the IPD committee at MSU-B.

Attended the "Advanced MapInfo" training seminar offered by MapInfo Corporation in New Port Beach , Ca, in June 1995. The training was funded through a grant from the IPD committee.

Attended the "Montana GIS Users' Conference and its pre-conference workshops in Helena, in May 1995. One of the workshops attended was on principles of thematic mapping for GIS users. This trip was funded by a grant from College of Business Phonathon committee.

Attended three AutoCAD courses offered by College of Technology and Rocky Mountain

College in Fall 1994 and spring 1995.

Attended the training seminar offered by Intergraph on "MGE-PC", a full featured GIS software, in December 1993. The training was funded through a grant from the IPD committee and MSU-Billings Foundation.

Attended the training seminar offered by the CACI Company on "Simulation and Simscript II.5", June 3-7, 1991. The training became possible through a grant from CACI Company.

CONTINUOUS DEVELOPMENT ACTIVITIES

Research and publication, cross referenced in RESEARCH AND PUBLICATIONS

Serving on board of directors, cross referenced in OTHER SCHORLY ACTIVITIES

Reviewer, cross referenced in OTHER SCHORLY ACTIVITIES

Track chair, cross referenced in OTHER SCHORLY ACTIVITIES

Training, cross referenced in PARTICIPATION IN TRAINING SEMINARS

INSTITUTIONAL SERVICE, CURRICULUM DEVELOPMENT

Active involvement in the curricular revision of the IS program since Fall 1990. My activities included research and preparation of comparative reports on peer institutions, and several recent studies on IS curriculum models, development of survey instruments.

Active involvement in the development and curricular revision of the master program in Information Processing and Communications at MSU-B from the beginning of the program in 1993. My activities included participation in graduate Committee meetings, research and preparation of course proposals and modifications.

Integrated Geographic Information Systems (GIS) into the IS curriculum in Fall 1994.

REFERENCES

Available Upon Request