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DALIS Website: [www.dalisproject.org](http://www.dalisproject.org)  
GISCorps Website: [www.giscorps.org](http://www.giscorps.org)  
OSU Website: <http://facweb.knowlton.ohio-state.edu/selhami/crpinfo/teaching/CRP608/index.htm>



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# Sholeh Elhami, GISP

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## Profile

- Over 20 years of professional experience, eighteen years of which in progressive GIS and planning field.
- Eighteen years of senior level management experience in GIS field.
- Nineteen years of experience working with ESRI software products.
- Expert in cadastral mapping and in the design of cadastral datasets
- Skilled in addressing applications and in design of geo databases for addressing
- Proficient in project leadership, task delegation, project negotiation, long range budgeting and forecasting, database design, automation and management.
- Proficient in streamlining, scheduling, and implementing ideas and projects.
- Experienced in providing technical support and in conducting needs assessment to various entities that are either starting GIS or would like to expand their applications.
- Proficient in formally and informally training various individuals in using GIS software programs and modules.
- Skilled in public presentations (have presented numerous times at various conferences in and out of state).
- Effective working alone or as a team member.
- Able to cope with the stress involved in multiple deadlines and projects.
- Excellent knowledge of County and City government procedures.

## Education

- Architectural Engineering Major, Minor in Planning, 1982, The National University, Tehran, Iran.
- Masters Degree in City & Regional Planning, 1989, The Ohio State University, Columbus, OH, 3.7 GPA.
- Audited several post-graduate level GIS courses in Departments of Geography, Landscape Architecture, and the School of Natural Resources at OSU (1989-1991).

## Work Experience

- **GIS Director**, 1994-Present, Delaware County Auditor's Office, Delaware, OH
  - Chief architect of DALIS Project's comprehensive geo dataset
  - Directed a team of GIS Professionals to create and maintain a detailed and comprehensive geo dataset such as parcels, school district, municipalities, soils, townships, and road centerline among others.
  - Hired team members and configured hardware, software & data models.
  - Prepared several RFPs for various projects and negotiated with the consultants on those proposals.
  - Devised and implemented various Quality Control processes for different products such as Ortho Photos, Master Address File and point coverage, planimetric features, soils, and etc.
  - Assisted in creation of county's first digital Highway Map for the County Engineer using ArcPlot's Map Composition (have published the map 4 times since 1998).
  - Created several ad-hoc projects and plots for various entities.
  - Prepared reports and documents (Metadata) for various project sand procedures.
  - Prepared 5-year plans and annual budget for two departments.

- Co-Designed a viewer Interface (MapObjects software) to be utilized for data publication purposes on CDs as well as over the Internet.
- Designed all graphic products and assisted in generating all CDs (in-house).
- Utilized a very detailed and accurate Road Center-Line for Geo-Coding Census Bureau's Master Address File (MAF).
- Testified before the Census Monitoring Board, an eight-member committee, appointed by the US Senate to talk about the TIGER's inadequacies and how Delaware County utilized its detailed GIS to identify all living quarters in the County as part of the Local Update of Census Addresses (LUCA) program.
- Published the database in various formats from Geo Database to DXF files as well as compressed Ortho Photos in (MrSID) format.
- Published the County's comprehensive parcel based GIS database over the Internet in August 99 (the first county in the state of Ohio) using MapObjects Internet Map Server software.
- Designed and implemented DALIS Project's Web site.
- Designed and implemented DALIS Project's new ArcIMS application launched in July 2005.
- Assisted in integration of DALIS's datasets and County's E-911 CAD system.
- Designed and created multiple Map Books for Delaware County.
- Designed and implemented the migration of coverage based cadastral dataset from ESRI's coverage format to geo-database environment.

**Adjunct Instructor**, 1999 to present, The Ohio State University, Columbus, OH

- Taught a graduate course "GIS in Professional Planning Practices, C&RP 608"

**Adjunct Instructor**, 1998, the Ohio Wesleyan University, Delaware, OH

- Taught Cartography / GIS course to Junior and Senior Geography students.

**GIS Coordinator, Principal Planner**, 1989-1994, Delaware County Regional Planning Commission, Delaware, OH

- Chief architect of RPC's planning oriented GIS dataset
- Created a comprehensive GIS database (70+ layers) which was mainly utilized in creating the County's Land-Use Plan (with the assistance of part-time interns).
- Designed hardware/software configurations, handled trouble shooting, and trained all of the agency's interns.
- Designed, created, and implemented several models to generate a countywide Development Suitability layer and a Land-Use Plan which was adopted in 1994.
- Utilized the GIS database for monthly review of subdivisions and re-zonings.
- Conducted and created numerous ad-hoc projects for various entities.
- Conducted demographic analysis on an annual basis (by using various projection models for population and employment forecasting).

**Graduate Research Associate**, 1987-1989, Department of City & Regional Planning, The Ohio State University, (tuition paid Internship).

- Worked on the research project, Darby Creek (State Scenic River), which linked GIS with a non-point source pollution model (AGNPS) to evaluate alternative agriculture practices and land management strategies for a rural watershed.
- Digitized and created several layers from hard-copy maps (used ERDAS and Arc/Info extensively).
- Analyzed, entered, encoded, and manipulated data.
- Assisted in classifying satellite imagery (Thematic Mapper) to create the land cover layer (both supervised and unsupervised classifications).
- Assisted in presenting the project to various governmental and non-governmental entities

**Regional Planning Analyst**, 1982-1984, Ministry of Interior, Department of Development, Tehran, Iran.

- Conducted numerous planning surveys and statistical analysis.
- Received awards for the design and several grants for the implementation of two Urban Revitalization Plans.
- Prepared Development and Revitalization Plans for two Cities and supervised the implementation of those Plans.

### **Technical Skills**

- Proficient in using Arc/GIS and its sub modules in Windows environment.
- Proficient in database modeling especially for cadastral and addressing datasets.
- Experienced in using 3D Analyst, Spatial Analyst, and Image Analysis extensions of ArcGIS.
- Experienced in using ArcIMS and ArcSDE applications
- Seven years of experience in remote sensing and spatial modeling using ERDAS and Image Analysis software.
- Proficient in using most Windows based software packages.

### **Certifications & Training**

- GISP certification from GIS Certification Institute (GISCI) in 2004
- Arc/SDE in SQL Server environment, 2003, Columbus, OH
- Novalis Parcel Editor 4.0, 2003, Columbus, OH
- ESRI's ARCIMS Studio (3-day training on customization), 2002, Delaware, OH
- Authorized ArcGIS Instructor, 2002, Delaware, OH
- What's New in Arc/Info 8, 2000, Columbus, OH
- Authorized ArcView Instructor, 1998 to present, Delaware, OH
- Technology Transfer (3-day) training on Visual Basic, MapObjects, and MapObjects/IMS, 1998, Delaware, OH
- Programming with AML, 1995, Redlands, CA
- Programming with Avenue, 1995, Columbus, OH
- Introduction to ArcView, 1995, Columbus, OH
- Introduction to Arc/Info, 1992, Columbus, OH
- One week training on Pc Arc/Info and ERDAS, 1991, Atlanta, GA
- Self training on ERDAS and Pc Arc/Info 1987-1990, Columbus, OH

### **Professional Affiliations**

- Member of "Land Parcel Database – A National Vision" Committee of National Academy of Sciences, 2006
- Member of Ohio Statewide Imagery Program (OSIP) evaluation committee (2006)
- Member of Urban and Regional Information System Association's Board of Directors since 2005 (URISA member since 1989)
- URISA GISCorps founder and Chair person since 2003
- Member of National Academy of Sciences Mapping Science Committee since 2003
- URISA Chapter Relations Committee member and past Chair person (2001-2004)
- URISA ESIG Committee past member, past Chair, and past Vice-Chair (2001-2004)
- Member of Columbus community College GIS Advisory Committee since 2003
- Served as a GIS Consultant to the National Academy of Sciences Panel on Future Research on Census Methods (Census 2010) to review the Census Bureau's plans for Master Address File and TIGER Modernization Plans for 2010 (2001-2002)
- Member of Ohio Geographically Referenced Information Program (OGRIP) since 1990
- Co-Chair of OGRIP's Cultural and Political Boundaries Task Force (2002)

- Co-Chair of OGRIP's Cadastral Task Force (2002)
- Member of URISA Ohio Chapter since 1995. Past President and Vice President
- Member of Great Lakes / Midwest Arc/Info Users Group
- Member of Ohio GIS Conference planning sub-committee 1993-2001
- Served on the National Academy of Sciences LUCA Evaluation Committee (1999-2000)

### **Awards/ Accomplishments/Papers**

- Founded the GISCorps, a program under URISA's auspices that coordinates volunteer services to developing communities around the world, 2003
- Received the Service Award of the year from ESRI GIS Health for GISCorps' services in 2005
- Received an Honorable Mention Award from Exemplary Systems in Government (ESIG) committee of URISA in Enterprise category for DALIS-Web; an ArcIMS based application, 2005
- Received URISA's 2003 Leadership Award
- Received from ESRI first place prize for the Map Book project, 2003
- Received The Ohio State University College of Engineering's 2002 Distinguished Alumni award, 2002
- Delaware County's Employee of the Year, 2002
- Finalist for the "Innovator/Creator of The Year" award, 2002 & 2003
- Was invited and attended a 2-day workshop in Washington D.C. for the purpose of reviewing The USGS's National Map concept, 2002
- DALIS Project received "The Best GIS Practices Award" in the State of Ohio by Ohio Geographically Referenced Information Program (OGRIP), 1998
- Received ESRI's "Special Achievement Award" in 2000 (over 60,000 entities/systems were considered for this award)
- Published and presented several papers on the county's Census and appraisal related projects at the Ohio GIS conference, ESRI Users Conference and URISA's annual conference (1993-2005)
- Published several articles in local and international GIS publications (1995-2002)
- Finalist for the "Employee of The Year" award in 2001
- Finalist for the "Innovator/Creator of The Year" award in 2001
- Member of Columbus State Community College Advisory Committee to assist in establishing a "Certified GIS Program" and a new curriculum in Ohio (2001-2004)
- Discussant at the National Academy of Sciences 2010 Advisory Committee meeting to comment on Census Bureau's 2010 plans for MAF and TIGER
- Designer and judge of the "Map Gallery" for the 2001 Ohio GIS Conference
- Member of the panel to Judge Ohio's "Best GIS Practices" in 2001
- Discussant at the Federal Committee on Statistical Methodology's Research Conference for a session titled "Issues in Geospatial Data Collection" (2001)
- North America Fund raising Coordinator for Medical, Educational, Peace Organization (MEPO), a non-profit organization providing medical and educational services to mothers and children in need in Nepal, Afghanistan and Bangladesh.

### **References**

- Available upon request.