

# MOHAMMAD SALEM Ph.D.

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## Curriculum Vitae

### Education

Ph.D. University of Arkansas, Fayetteville. Environmental Dynamics Program-  
December 2011

M.A. University of Arkansas, Fayetteville. Department of Geosciences - December  
2003

B.A. University of New Orleans, Department of Anthropology – December 1998

### Professional Experience

2013-present Head of the GIS/IT Division, Municipality of Ramallah, Ramallah, West  
Bank

2011-2012 Corporate office manager, Ruba Management LLC, New Orleans, Louisiana

2010-2011 Senior GIS Analyst, Wiser Company LLC, St. Louis, Missouri

2006-2009 Research Assistant, MEST Supported Geographic Activities, King Fahd  
Center for Middle East and Islamic Studies, University of Arkansas.

2003-2005 Research Assistant, Center for Advanced Spatial Technologies, University  
of Arkansas.

2001-2003 Research Assistant, Human Geography, University of Arkansas

1998-2000 Archaeologist and Crew Chief. Goodwin and Associates, Inc. New Orleans,  
Louisiana.

### Publications and Reports

Salem, M. 2011. "Perception of Aquifer Depletion and the Effects of Land Use Change  
Across the Madaba Plain, Jordan". Fulbright School of Arts and Sciences. University of  
Arkansas.

Salem, M. 2004. "GeoExpress 4.0 with MrSID." *Geoworld*. June 1, 2004.

Salem, M. 2003. "Visitor Frequency and Magnitude Analysis Through the Use of Synoptic Cartography in Petra, Jordan" Fulbright School of Arts and Sciences. University of Arkansas.

### **Conferences and Presentations**

2004 *Micro-topography of Brown Mound Using the Optech ILRIS-3D*, Current Archaeological Prospection Advances for Non-Destructive Investigations in the 21st Century. NPS Archaeological Prospection Workshop, Spiro Mounds, Oklahoma

### **Invited Lectures**

2011 Perceptions of Jordan's Agricultural Landowners. Presented to Beir Zeit University in Beir Zeit, Palestine.

2001 The Significance of Adjusting Visitor Behavior in Regards to Petra's Deterioration. Presented to the Petra National Trust in Amman Jordan.

2001 Cartographic use in Creating Policy to Regulate Visitor Behavior. Presented at the American Center for Oriental Research in Amman, Jordan.

### **Grants and Awards**

2009 – 2011 Benjamin Franklin Lever Fellowship

2006-2007 Summer Research Award from the Environmental Dynamics Program. University of Arkansas.

2004-2008 University of Arkansas Doctoral Academy Fellowship

2001-2003 University of Arkansas Master's Candidate Fellowship.

2001 King Fahd Center for Middle East and Islamic Studies Student Research Grant to support cartographic research in Petra, Jordan.

### **Teaching Experience**

2010-2011 Trainer, GIS practices and procedures, Wiser Company, St. Louis, Missouri.

2008 Instructor, Gateways to the Middle East, Fulbright College of Arts and Sciences, University of Arkansas.

2007 Guest Lecturer, Hazards, Fulbright College of Arts and Sciences, University of Arkansas.

2006-2008 Instructor, Introduction to Biological Anthropology, Fulbright College of Arts and Sciences, University of Arkansas.

2003 Guest Lecturer, Cartography, Fulbright College of Arts and Sciences, University of Arkansas.

2002 Instructor, Introduction to GIS, Fulbright College of Arts and Sciences, University of Arkansas.

### **Selected Projects**

2010, 2007 Data collection for dissertational research. Administered written surveys as well as collected ground truthing data. Made contact with the Ministry of Water and Irrigation and obtained depth to water data. Amman, Jordan. University of Arkansas.

2006 Researcher. Impacts of hard stabilization on the shore of Yellowstone Lake. University of Arkansas.

2005 -2006 Researcher. Monitoring Lakeshore changes using Optech 3-D Laser scanner. University of Arkansas.

2005 Researcher. Multi-sensor data fusion for historic resource identification. Center for Advanced Spatial Technologies. University of Arkansas.

2005. Researcher. Using GIS to assess the southern pine beetle habitat. University of Arkansas.

2004-2005 GIS Technician. GeoStor database maintenance and management. Center for Advanced Spatial Technologies. University of Arkansas.

2004 Researcher. Data collection and analysis of microtopography of Spiro Mound, Oklahoma. Center for Advanced Spatial Technologies. University of Arkansas.

2004 Researcher. GIS digitization and analysis of a coal mine schematic for possible use as a water reservoir. University of Arkansas.

2002 Cartographic Specialist, Mapping songbird territory using audio and visual identification at Tennessee National Wildlife Refuge, Big Sandy Unit, TN. University of Tennessee.

2001 Cartographic Specialist. Mapping visitors to ascertain behavior and form policy. Petra, Jordan.

2000 Archaeologist I, Phase I Cultural Resources Survey and Archeological Inventory of the proposed Southern Natural Gas Company (SNG) South System Expansion Project, Sumter, Perry, Dallas, Autauga, Tallapoosa, Macon, and Lee counties, Alabama. For R.C. Goodwin and Assoc., New Orleans, LA.

2000 Archaeologist I, Phase III data recovery excavations at Sites 40SW228 (Puckett Site) and 40SW340, Cross Creeks National Wildlife Refuge, Stewart County, Tennessee. For R.C. Goodwin and Assoc., New Orleans, LA

2000 Archaeologist I, Phase I Cultural Resources Survey and Archeological Inventory of the Texas portion of the proposed Caballero Pipeline Project, Hartley and Moore counties, Texas. For R.C. Goodwin and Assoc., New Orleans, LA.

2000 Archaeologist II, Phase I Cultural Resources Survey and Archeological Inventory of the proposed 3.7 mile Southern Natural Gas Company 16 in O.D. Upson County and West Georgia Generating Meter Station Project Corridor, Upson County, Georgia. For R.C. Goodwin and Assoc., New Orleans, LA.

2000 Archaeologist II, Cultural Resources Survey and Inventory, Florida Gas Transmission Phase V Expansion, FGT Mobile Bay Lateral, Loop A and Loop B, Mobile and Baldwin counties, Alabama. For R.C. Goodwin and Assoc., New Orleans, LA.

2000 Archaeologist II, Phase I Cultural Resources Survey and Archeological Inventory of two pipeline loops (Loop J and Loop K) and 10 ancillary use facilities associated with the proposed Florida Gas Transmission Phase V Expansion, FGT Mobile Bay Lateral, Loop A, and Loop B, Gilchrist and Levy counties, Florida. For R.C. Goodwin and Assoc., New Orleans, LA.

1999 Archaeologist III, Phase II Cultural Resource Assessment, Survey and Testing at Cross Creeks National Wildlife Refuge, Stewart County, Tennessee. For R.C. Goodwin and Assoc., New Orleans, LA.

1999 Archaeologist III, Phase I Cultural Resources Survey and Inventory of a 48.5 mile segment of the proposed 98.8 mile Koch Pipeline Southeast, Inc., Pascagoula Pipeline Project, Assumption, St. James, St John the Baptist, St. Charles, and St. Tammany parishes, Louisiana. For R.C. Goodwin and Assoc., New Orleans, LA.

1999 Archaeologist III, Phase I Cultural Resources Survey and Inventory of the proposed Chandeleurs- Destin Extension Project, Jackson County, Mississippi. For R.C. Goodwin and Assoc., New Orleans, LA.

1999 Archaeologist III, Supplemental Phase I Cultural Resources Survey and Inventory of the proposed Destin Pipeline Project, Jackson, George, Greene, Wayne, and Clarke counties, Mississippi. For R.C. Goodwin and Assoc., New Orleans, LA.

1999 Archaeologist III, Phase I Cultural Resources Survey and Inventory of the proposed Etowah LNG Company, L.L.C. 12.75 in O.D. Etowah Pipeline Project, Polk County, Georgia. For R.C. Goodwin and Assoc., New Orleans, LA.

1999 Archaeologist III, Phase I Cultural Resources Survey and Archeological Inventory of the proposed TENDS Breaux Bridge System Pipeline Project, Vermilion, Lafayette, and St. Martin parishes, Louisiana. For R.C. Goodwin and Assoc., New Orleans, LA.

1999 Archaeologist III, Phase II Archeological Testing and National Register Evaluation of four Archeological Sites (16BO400, 16CD87, 16CD235, and 16CD239) within the area of potential effect of the Pool 5 Impoundment Area, Bossier and Caddo parishes, Louisiana. For R.C. Goodwin and Assoc., New Orleans, LA.

1996 Excavator, University of New Orleans, Mayflower project, Belize.

### **Technical Skills/Certificates**

Secret Level Security Clearance

GIS Software: ESRI ArcGIS Suite, Idrisi Taiga (Clark Labs), Intergraph Geomedia, ERDAS Imagine, Golden Software Surfer

Survey instruments: laser total station, Optech 3-D laser scanner, various GPS units.

### **Professional Memberships**

Association of American Geographers  
Sigma Xi Scientific Research Society  
Gamma Theta Upsilon