

Education:

Ph.D. Higher Education Administration - Education Foundations, Leadership and Technology Department, College of Education, Auburn University, Auburn, Alabama, 2014

M.Ed. Higher Education Administration - Education Foundations, Leadership and Technology Department, College of Education, Auburn University, Auburn, Alabama, 2012

Ph.D. Engineering Mechanics Department, College of Engineering, The Ohio State University, Columbus, Ohio, 1996

M.Sc. Civil (Structural) Engineering Department, College of Engineering, Ain Shams University, Cairo, Egypt, 1988

B.Sc. Civil (Structural) Engineering Department, College of Engineering, Ain Shams University, Cairo, Egypt, 1980

Professional Experience:

2015 - Current Florida Atlantic University – Adjunct faculty in the Educational Leadership and Research Methodology Department, College of Education. Taught the course of “Educational Statistics” which is a core course for the graduate program in the Department.

2015 - Current Auburn University – Postdoctoral Researcher in the Department of Polymer and Fiber Engineering. Co-principal Investigator in projects on finite element modeling and the manufacturing of composites.

2011- 2014 Auburn University - Graduate Student: interned in the GED center. Established an electronic version of the center’s database system.

2008-2014 Auburn University - Visiting Professor and Graduate Research Assistant in the Department of Polymer and Fiber Engineering. Co-principal Investigator in different research projects granted by NASA, ALDoT, and IFOS. Led a team of researchers in projects related to manufacturing, mechanical testing, finite element analysis, and intelligent health monitoring of composite structures (airplane wings, turbine blades, and repair layups for damaged RC bridges).

2005- 2008 Higher Education Enhancement Fund (HEEPF), Ministry of Higher Education, Cairo, Egypt. Consultant at the HEEPF projects (funded by the World Bank). Led the Monitoring and Assessing Committee for funded projects at three Egyptian Universities – Communicated with project managers and university leaders to overcome any technical or financial obstacles to meeting scheduled budget and timelines. Prepared progress reports. Organized training workshops and conferences in 17 public universities. Wrote comprehensive reports and published booklets on HEEPF activities.

Co-edited the HEEPF Specialized Booklet Series - 9 Parts (in English/Arabic) published on March 2007 (www.heepf.edu.eg) entitled:

- HEEPF Achievements in Phase 1.
- Academic Development in Higher Education Enhancement.
- Development of Labs and Learning Environment in Higher Education Enhancement
- E-Learning and Simulation Labs in Higher Education Enhancement.
- Information Technology and Knowledge Resources in Higher Education Enhancement.
- Specialized and Interdisciplinary Centers in Higher Education Enhancement.
- Restructuring, Management Systems & Quality Assurance and Accreditation in Higher Education Enhancement.
- Development of Human Resources.
- Sustainability Mechanisms in Higher Education Enhancement.

1996-2008 - Benha University, Cairo, Egypt, Assistant Professor in the Department of Civil Engineering. Developed and taught undergraduate and graduate courses (Theory of Structures I & II & III, Computer Science for Civil Engineers “C-language”, Senior’s Graduation Project in Structures, Structural Analysis of High Rise Buildings, and Numerical Analysis for Engineers). Served as the Academic Advisor for freshmen students in the Department of Civil Engineering (2001-2008).

1996-2008 - Professional Consultant Engineer

Performed complete structural design and construction supervision for several types of steel and reinforced concrete structures in Egypt:

Steel Structures:

Additional steel floor and roof in El-Farouk School, Heliopolis, Cairo (1996).

Spiral stairs in Meridian Hotel, Hurghada (1997).

Steel Bridge for water pipes in Bahr Youssef, Fayoum (1997).

Steel roof and steel domes for Entrance Hall in Grand Hotel, Hurghada (1998).

Steel Bridges in Sheraton Sharm El-Sheikh (1998).

Steel structure for the Coffee Shop Building in Lido Sharm Hotel, Sharm El-Sheikh (1998).

Steel Structure for Private Room Terraces in Lido Sharm Hotel, Sharm El-Sheikh (1998).

Steel roof covering and spiral stairs in Royal Hills Project, 6th of October (1998).

Steel control gates on water games in Gyro Land Park, El-Obour City (1998).

Steel structure for Ala-Dinos Cafe in Maadi, Cairo (2003).

Steel Bridge and Mezaneen Floor in Santamora Textile Factory, 10th of Ramadan City (2004)

RC Structures:

Villas & Residential Buildings in El-Shorouk City, Sharm El-Sheikh, New Cairo (1997 - 2008).

Three Commercial Mall Buildings in New Cairo (1999).

The International Schools of Egypt 2000 in Nasr City (1999).

El-Zahhar Factory in El-Obour City (1999).

Sea Shell Resort in Ras Sidr (2001).

Belle Ville Residential Development in 6th of October (2002).
Storage Building for GAPCO in El-Obour City (2004).

1990 –1996 - The Ohio State University - Graduate Research Assistant in the Department of Engineering Mechanics. Co-principal investigator on research projects in Powder Mechanics - Contact Mechanics - Impact Analysis - Theory of Plasticity - Experimental and theoretical stress analysis - Computer graphics.
Co-wrote Chapter 8: Hopper and Standpipe Flows, in "Principles of Gas-Solids Flows" (ISBN: 0-521-58148-6), edited by Liang-Shih Fan and Chao Zhu, Cambridge University Press, New York (1998).

1983- 1989 - Zagazig University - Graduate teaching Assistant in the Department of Civil Engineering. Assisted in teaching the following courses for undergraduates: Theory of Structures - Reinforced Concrete Design - Steel Design - Soil Mechanics and Foundations.

Research Papers

Abouzeida, E. & Witte, J. (under review). Analysis of expenditure patterns in higher education institutions and graduation rates. *Journal of Research in Education*.

Gowayed, Y., Abouzeida, E., Smyth, I., Ojard, G., Ahmad, J., Santouth, U., and Jefferson, G. (under review). "The role of oxidation in the time-dependent response of ceramic matrix composites," *Composites Part B: Engineering*.

Abouzeida, E., Quinones, V., Gowayed, Y., and Uddin, N. (under review). "Effect of Degree of Resin Cure on Time-Dependent Properties of FRP in Bridge Repair," *ASCE Journal of Composites for Construction*.

Abouzeida, E. (2014) "Analysis of Expenditure Patterns in Higher Education Institutions and Student Graduation and Retention Rates," Ph.D. Dissertation, Auburn University, Auburn, AL.

Abouzeida, E., Quinones, V., Gowayed, Y., Soobramaney, P., Flowers, G., Black, R., Costa, J., Faridian, F., and Moslehi, B. 2013. "Design, manufacture and testing of an FBG-instrumented composite wing," in *Proc. QNDE 2013 - Review of Progress in Quantitative NDE*, Baltimore, MD.

Abouzeida, E. (1996). "*Flow Characteristics and Stress Analysis of Bulk Materials in Silos*," Ph.D. Thesis, The Ohio State University, Columbus, OH.

Abouzeida, E. (1988) "*Analysis of Framed-Tube Tall Buildings*," M.Sc. Thesis, Ain Shams University, Cairo, Egypt.

Presentations

Abouzeida, E. & DiRamio, D. (2015). "Student Services Spending and Completion Agenda Outcomes: Using Data to Support Decision Making," Scholarly paper presentation at the 2015 NASPA Annual Conference, New Orleans, LA.

Abouzeida, E. & Witte, J. (2015). "Analysis of Expenditure Patterns in Higher Education Institutions," Paper presentation to the 2015 EERA Annual Conference, Sarasota, FL.

Kamal, O., Abouzeida, E., Hamdy, O. (2003) "A *Practical Technique for Anchoring to Concrete Members*," Tenth International Colloquium on Structural & Geotechnical Engineering, Ain Shams University, Cairo, Egypt.

Hashish, M. & Abouzeida, E. (1988) "*Framed-Tube Structures under Lateral Distortional Loading*," The Conference of Structural Safety, Ain Shams University, Cairo, Egypt.

Memberships:

EERA – the Eastern Educational Research Association
Egyptian Engineers Syndicate
Egyptian Society for Engineers

Skills:

Microsoft Office (Word, Excel, and Access)
Structural Analysis: ANSYS
Blackboard, Canvas,
Statistical Analysis: SPSS
Graphics: Solid Works, AutoCAD, Corel Draw

Languages: English - Arabic

Sports & Hobbies:

Tennis, Squash, Racquet ball, and playing the piano

References* :

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* References available upon request