


SUMMARIZED CURRICULUM VITAE

Name	Dr. Samer A. Barakat	
Position	Full Professor	
Address	Department of Civil Engineering University of Sharjah P.O. Box 27272 Sharjah-UAE	
Tel. No.	00971-6-5050958	
Fax. No.	00971-6-5585173	
E-mail	sbarakat@sharjah.ac.ae	
Specialization	Civil/Structural Engineering	

Staff Profile

- **Education:**

- Ph.D.**, Doctor of Philosophy in Structural Engineering: The University of Colorado at Boulder, U.S.A., May 1994. Dissertation: "Structural System Reliability with Applications to Bridge Analysis, Design and Optimization".

- M.S**, Masters of Engineering in Structural Engineering: Jordan University of Science and Technology, Irbid- Jordan, May 1989. Thesis: "Buckling and post buckling behavior of stiffened cylindrical shells under uniform lateral loads".

- B.Sc.**, Bachelor in Civil Engineering/Structural Engineering: Yarmouk University, Irbid - Jordan, May 1984.

- **Employment:**

Jordan University of Science and Technology

Lecturer in the Civil Engineering Department, 1994.

Assistant Professor, 1994-1999.

Associate Professor in Civil Engineering from August 1999 to March 2007.

Professor in Civil Engineering from March 2007 to present.

Chairman of Civil Engineering Dept. from September 2006 – September 2007.

University of Sharjah

Professor in Civil Engineering from January 2011 to present.

Associate Professor in Civil Engineering from September 2007 to April 2011.

Associate Professor in Civil Engineering from August 2000 to September 2006

Assistant to Dean in College of Engineering from February 2006 to Sept. 2006

- **Courses Taught: (Undergraduate Level):** Statics, strength of materials, structural analysis 1, and 2, advanced structural analysis, reinforced concrete design, steel design, matrix analysis, pre-stressed concrete, bridge engineering, Special topics in structural engineering (computer-based analysis and design of structures), graduation projects, **(Graduate Level):** Special topics in structural engineering (structural reliability), advanced mechanics of materials, theory of elasticity, FEM, Applied Engineering Statistics, Advanced Behavior and Design of concrete structures, supervising master thesis.

- **Thesis Supervised:** 12 at UOS and 9 Master Thesis at JUST.

- **Graduation Projects:** More than 100 graduation projects completed.

- **Research Areas:** Optimization of structures; structural reliability and reliability-based design and optimization; composite materials and retrofitting of structures; neural networks and structural control.

- **Publications:** Author and co-author of more **than 80** journal and conference publications.

- **Consulting:** Consultation for local and regional companies in Jordan, UAE and GCC.

- **Professional Membership:**

Membership of the Jordan Engineering Association, (1984-present).

DETAILED CURRICULUM VITAE

PERSONAL INFORMATION

College	Engineering		
Department	Civil		
Name	Samer Barakat		
Date of Birth	1963	Rank	Professor
Number of years of service	Started January 1994	Date of Rank	30-01-2011

Degrees:		
B.S.C.E.	Yarmouk University – Jordan	1984
M.S.	Jordan Univ. of Science & Technology – Jordan	1989
Ph.D.	The University of Colorado at Boulder - USA	1994
Other related experience:		
Full Professor	1/2011 - present	UoS
Associate Professor	9/2007 – 1/2011	UoS
Professor & Chairman	3/2007 – 9/2007	JUST
Associate Professor & Chairman	9/2006 – 3/2007	JUST
Associate Professor	9/2000 – 9/2006	UoS
Associate Professor	8/1999 – 9/2000	JUST
Assistant Professor	5/1994 – 8/1999	JUST
Lecturer	1/1994 – 5/1994	JUST

I. TEACHING ACTIVITIES

A. Courses Taught

(Include undergraduate and postgraduate courses)

Course Title	Level	University
Statics	undergraduate	JUST, UoS
Dynamics	undergraduate	JUST
Mechanics of Materials	undergraduate	JUST, UoS
Structural Analysis I, II	undergraduate	JUST, UoS
Reinforced Concrete Design	undergraduate	JUST, UoS
Special Topics in Structural Engineering	undergraduate	UoS
Advanced Structural Analysis and Design	undergraduate	UoS
Matrix Structural Analysis	undergraduate	JUST
Advanced Reinforced Concrete Design	undergraduate	JUST, UoS
Computer based analysis and design of Structures	undergraduate	UoS
Steel Design (ADS, LRFD)	undergraduate	JUST, UOS
Bridge Engineering	undergraduate	JUST, UoS
Prestressed Concrete	undergraduate	JUST, UoS
Senior Design Project (1 & 2)	undergraduate	JUST, UoS
Special Topics in Structural Engineering, Structural Reliability	graduate	JUST
Finite Element Method	graduate	JUST, UOS
Structural optimization	graduate	JUST
Design of earthquake structures	graduate	JUST
Advanced Behavior and Design of Concrete Structures	graduate	UOS
Applied Engineering Statistics	graduate	JUST, UOS
Advanced Mechanics of Materials	graduate	JUST, UOS

B. Development of Teaching and Learning Activities

1. Preparing courses on Black Board Bb such as mechanics, Structural Analysis, Prestressed Concrete, Special Topics in Structural Engineering, Advanced Structural Analysis and Design, Advanced Structural Mechanics and Applied Engineering Statistics.
2. Training workshops on using STADPro, StadFoundation, Ram Connection Software in the analysis and design of steel and concrete structures.
3. Training workshops on using ADAPT-pro, MAT, and Builder in the design of RC and PT for Faculty and senior students.
4. Real life projects (Multi-story Building, Steel Structures or Prestressed Concrete Bridges) are given to students as their graduation project. The projects were under construction in UAE.

C. Use of Information Technology and the University Network in teaching and Learning

1. Use of computer in the instruction of the courses
2. Developing computer-based educational resources using Bb
3. Construction of online courses
4. Organizing seminars or workshops related to the use of technology in teaching and learning. See Part B above.
5. Purchasing New Multi-User Software to be used by the faculty and the students such as STADPro, Eatabs, SAFE, SAP and ADAPT. These are being used in teaching different courses such as Structural Analysis, RC, PSC, SPT in Structure.

D. Supervision of Students Graduation Projects

Real life projects (Multi-story Building, Steel Structures or Prestressed Concrete Bridges) are given to students as their graduation project. Few Examples are listed below:

No	Project Title
1	Senior Design Project - Design of (B1+8P+HC+38 Story) Tower in Sharjah City
2	Individual Project – Lab Test Concrete tensile strength
3	Senior Design Project – Design of Filling Station, PSC Bridge, and Multi Story RC building
4	Senior Design Project - Design of (B1+B2+G+24 Story) Tower in Sharjah City
5	Senior Design Project - Design of (G+1 Story) Villa in Sharjah City
6	Design of RC Domes
7	Design of Prestressed Concrete Bridges

E. Honors and Awards

E1. Recipient of annual faculty incentive awards in the **field of Teaching** for the year 2010/2011.

II. ACADEMIC ADVISING

Date	2014-015		2015-016		2016-017		2018-019	
	S	S	S	F	S	S	F	S
No. of Students	55	55	45	45	32	32	32	32

III. RESEARCH ACTIVITIES

A. Published Papers

1. Moussa Leblouba, Muhammad Rahman, **Samer Barakat**, "Behavior of polycal wire rope isolators subjected to large lateral deformations", Engineering Structures ENGSTRUCT_2018_3854_R2, **Accepted, 15-04-2019**.
2. **Samer Barakat**, Salah Al-Toubat, Moussa Leblouba, Eman Al Burai, 2019, "Trends of Shear Strengthened RC Beams with Externally Bonded Fiber-Reinforced Polymer", Structural Engineering and Mechanics, *An International Journal*. **Accepted, 24-01-2019**.
3. M Leblouba, **S Barakat**, M Maalej, S Al-Toubat, AS Karzad, Normalized shear strength of trapezoidal corrugated steel webs: Improved modeling and uncertainty propagation, *Thin-Walled Structures* 137, 67-80, 2019.
4. Moussa Leblouba, **Samer Barakat**, Zaid Al-Sadoon, 2018, "Shear behavior of corrugated web panels and sensitivity analysis", *Journal of Constructional Steel Research*, **151, 94-107**.
5. **Samer Barakat**, Moussa Leblouba, 2018, "Experimental and Analytical Study on the Shear Strength of Corrugated Web Steel Beams", *Steel and Composite Structures*, 28(2) 251-266.
6. **Samer Barakat**; Abdullah Shanableh; Salah Altoubat; and Khader Abu-Dagga: Assessment of Seismic Structural Risk for Model Buildings in the City of Sharjah, UAE, *Jordan Journal of Civil Engineering*, Vol. 12, No. 1, 2018.
7. Mohammad H. AlHamaydeh, **Samer Barakat** and Omar Nassif: Optimization of Support Structures for Offshore Wind Turbines using Genetic Algorithm with Domain-Trimming (GADT)", *Mathematical Problems in Engineering*, August 2017. Volume: 2017, Page: 1-14, **DOI: 10.1155/2017/5978375**
8. Moussa Leblouba, **Samer Barakat**, Salah Altoubat, Talha M. Junaid, and Mohammed Maalej, "Normalized shear strength of trapezoidal corrugated steel webs," *Journal of Constructional Steel Research*, 136 (2017), pp. 75-90.
9. Leblouba, Moussa, M. Talha Junaid, **Samer Barakat**, Salah Altoubat, and Mohamed Maalej. "Shear buckling and stress distribution in trapezoidal web corrugated steel beams." *Thin-Walled Structures* 113 (2017): pp. 13-26.
10. **Samer Barakat**, Salah Altoubat, Eman Al Burai. (2016) Shear Strengthening Reinforced Concrete Beams with Externally Bonded Fiber-Reinforced Polymer: Updated Data Base. *International Journal of Theoretical and Applied Mechanics*, **1**, 142-148.
11. **Samer Barakat**, Ahmad Al Mansouri and Salah Altoubat, Experimental Study on the Shear Strength of Steel Beams with Trapezoidal Corrugated Webs, *International Journal of Civil and Structural Engineering– IJCSE*, Volume 2: Issue 2, ISSN: 2372-3971, 2015.
12. **Samer Barakat** and Omar Nassif, Optimization of Truss Structures Using Genetic Algorithms with Domain Trimming (GADT), *International Journal of Civil and Structural Engineering– IJCSE*, Volume 2 : Issue 2, ISSN : 2372-3971, 2015.
13. Altoubat, S., Ousmane, H., & Barakat, S. (2015). Experimental Study of In-Plane Shear Behavior of Fiber-Reinforced Concrete Composite Slabs. *Journal of Structural Engineering*, Volume 142, Issue 3.
14. **Barakat, S.**, Alzubaidi, R., & Omar, M. (2015). Probabilistic-based assessment of the bearing capacity of shallow foundations. *Arabian Journal of Geosciences*, 8(8), 6441-6457.
15. **Barakat, S.**, Al Mansouri, A., & Altoubat, S. (2015). Shear strength of steel beams with trapezoidal corrugated webs using regression analysis. *STEEL AND COMPOSITE STRUCTURES*, 18(3), 757-773.
16. Altoubat, S., Ousmane, H., & Barakat, S. (2015). Effect of fibers and welded-wire reinforcements on the diaphragm behavior of composite deck slabs. *Steel and Composite Structures*, 19(1), 153-171.
17. Radhi Al Zubaidi, **Samer Barakat**, Salah Altoubat, Effects of Adding Brass Byproduct on the Basic Properties of Concrete. *Journal of Construction and Building Materials*. *Construction and Building Materials* 38 (2013) 236–241.
18. Abed, F.H., Al Hamayidah, M., and **Barakat, S.**, "Nonlinear Finite Element Analysis of Buckling Capacity of Pretwisted Steel Bars," *ASCE Journal of Engineering Mechanics*, **139: 791-801, 2013**.

19. AlHamaydeh, M.; **Barakat, S.**; Abed, F.; "Multiple Regression Modeling of Natural Rubber Seismic-Isolation Systems with Supplemental Viscous Damping for Near-Field Ground Motion," *Journal of Civil Engineering and Management*, **19 (5)**, 2013, 665-682.
20. Samer A. Barakat, "Experimental Compression Tests on the stability of structural Steel Tabular Props", *Jordan Journal of Civil Engineering*, Volume 5, No. 1, 2011.
21. Salah Altoubat, Hussein Ousman, Samer Barakat, and Klaus-Alexander Rieder," Viability of Synthetic Fibers to Replace Steel Wire Mesh in Composite Metal Decks Construction", *Key Engineering Materials*, Vols. 471-472 (2011) pp 552-557, Trans Tech Publications, Switzerland.
22. Samer A. Barakat and Farid H. Abed, "Experimental investigation of the axial capacity of Inelastically pretwisted steel bars", *ASCE –Journal of Engineering Mechanics*, August 2010, Vol. 136, Number 8, ISSN 0733-9399
23. Samer A. Barakat & Salah Altoubat "Concrete Welding using Steel Fibers", *Engineering Structures* 32 (2010) 2065_2073.
24. Barakat SA, Altoubat S. Application of evolutionary global optimization techniques in the design of RC water tanks. *Engineering Structures* 31 (2009), 332-344.
25. Samer Barakat, Abdalla Shanableh, "A Comparative Earthquakes Risk Assessment Approach Applied to the United Arab Emirates", *Jordan Journal of Civil Engineering*, Volume 2, 2008.
26. K. Abdalla, G. Abu-Farsakh, S. Barakat, "Experimental investigation of force-distribution in high-strength bolts in extended end-plate connections." *Steel and Composite Structures*, Nov. 2007.
27. Samer Barakat, Abdallah Malkawi and Maher Omar, "Parametric study using FEM for the stability of the RCC Tannur DAM", *Geotechnical and Geological Engineering*, 23:61-78, 2005.
28. Khaldoon Bani-Hani, Samer Barakat. Seismic Repair and Strengthening of Qasr Al-Bint Historical Monument -Petra, Jordan. *Engineering Structures Journal*, 26:3, Nov. 2005.
29. Samer Barakat, Nabil Kallas, Mohammed Q. Taha, "Single Objective Reliability-Based Optimization of Prestressed Concrete Beams", *Computers and Structures Journal*, 81, pp. 2501-2512, 2003.
30. Samer Barakat, Khaldoon Bani-Hani, Mohammed Q. Taha, "Multi- Objective Reliability-Based Optimization of Prestressed Concrete Beams", *Structural Safety Journal*, Volume 26, Issue 3, July 2004, Pages 311-342.
31. Mohamed A. H. Abdel-Halim and Samer A. Barakat, "Cyclic Performance of Concrete-Backed Stone Masonry Walls", *ASCE-structural*, Vol. 129, No. 5, pp 596-605, May 2003.
32. Adnan A. Basma, Samer Barakat, and Maher Omar, "Reliability Based Safety Index for the Design of Reinforced Earth Structures", *Geotechnical and Geological Engineering*, Vol. 21, No. 3, pp. 225-242, 2003.
33. Adnan A. Basma, Samer Barakat and Maher Omar, "Modeling of Time Dependent Swell of Clays Using Sequential Artificial Neural Networks", *Environmental and Engineering Geoscience*, Vol. IX, No. 3, pp. 279-288, 2003.
34. Maher Omar, Abdallah Shanableh, Adnan A. Basma, and Samer Barakat, " Compaction characteristics of granular soils in United Arab Emirates", *Geotechnical and Geological Engineering*, Vol. 21, No. 3, pp. 283-295, 2003.
35. Mohammed Shanag, Samer Barakat, and Mohammed Ibrahim, "Cyclic Behavior of HPFRC-repaired reinforced concrete interior beam-column Joints", *Materials and Structures*, Vol. 53, July 2002, pp 348-356.
36. Mohammed Shanag, Samer Barakat and Feras Jaber "Structural behavior of retrofitted shear-deficient reinforced concrete beams", *Magazine of Concrete Research*, England, Vol. 53, No. 6, December 2001.
37. Mousa F. Attom, Samer Barakat, "Investigation of Three Methods for Evaluating Swelling Pressure of Soils. *Environmental & Engineering Geoscience*, Vol. VI, No.3, pp. 293-299, 2000.
38. G. Abu-Farsakh, S. A. Barakat, and N. R. Al-Zoubi, "Effect of Material nonlinearity in unidirectional composites on the behavior of beam structures", *International Journal of Solids and Structures*, 37, 2673-2694, 2000.
39. Barakat, S.A. and Abu-Farsakh, G.A., "The use of an energy-based criterion to determine optimum configurations of fibrous composites", *Composites Science and Technology*, volume/issue: 59/12, pp. 1891-1899, 1999.
40. G. Abu-Farsakh, S. A. Barakat, and F. H. Abed, "A Macromechanical Damage Model of Fibrous Laminated Composites", *Applied Composite Materials*, Vol. 6, Issue 2, pp. 99-119, 1999.

41. Samer A. Barakat, Abdallah I. Malkawi, Ra'ed H. Tahat, "Reliability-based optimization of laterally loaded piles", *STRUCTURAL SAFETY*, Vol. 21, Issue 1, pp. 45-64, 1999.
42. Adnan A. Basma, Samer Barakat, and Salim Al-Oraimi, "Prediction of Cement Degree of Hydration Using Artificial Neural Networks", *ACI Materials Journal*, Vol. 95, No. 2, March/April, 1999.
43. Malkawi A. H., K. S. Numayr K.S. and Barakat S. A., (1999)." The Aqaba Earthquake November 22, 1995", *Earthquake Spectra*, Volume 15, No. 3, pp. 397-415, August 1999.
44. M. Al-Sheriadeh, S. Barakat and M. Shawagfeh, "Application of a Decision-Making Analysis to Evaluation Direct Recharging of an Unconfined Aquifer in Jordan", *Water Resources Management*, 13: pp. 233-252, 1999.
45. S. Barakat, M. Attom, " Comparison between Multiple Regression Analysis and Artificial Neural Networks in Evaluating Pressure of Clayey Soil using Three Methods", *IE(I) Journal-CV*, volume 80, pp. 86-93, 1999.
46. H. Malkawi, F. A. Abdulla, S. A. Barakat, and M. S. Al-Sheriadeh, (1999)."Application of Extreme Value Statistics to Annual Maximum Magnitudes in Jordan Employing a Mixture Distribution", *Earthquake Spectra*, Volume 15, No. 4, November 1999.
47. Barakat, S.A; Husein Malkawi, A.I. and A. Al-Shatnawi, "A step Towards Evaluation of the Seismic Response Reduction Factor in Multistory Reinforced Concrete Frames", *Natural Hazards*, Vol. 16: 65-80, 1997.
48. Malkawi A. H., K. S. Numayr K.S. and Barakat S. A., " The Aqaba Earthquake of November 22, 1995." Preliminary Reconnaissance Report submitted to the Deanship of Scientific Research (JUST), 1997.
49. Barakat Samer. Frangopol Dan. M., "Design of Composite Hybrid Girder Bridges Based on Reliability and Optimization", *Structural safety*, 1994.
50. Frangopol, Dan, M. and Samer Barakat, "Incorporation of Corrosion Effects in Reliability-Based Optimization of Composite Hybrid Plate Girders", *Structural Safety*, 1994.
51. Samer Barakat and Dan Frangopol, "System Reliability and Redundancy in Structural Design and Evaluation", *Structural safety*, 1994.

B. Conferences: Participated and published papers in international conferences

52. Ibrahim Al-jumaili, **Samer Barakat** and Zaid Al-Sadoon, "Experimental compression tests on the Stability of Structural Steel Tubular Props", 4th International Sustainable Buildings Symposium (ISBS2019), Dallas, Texas, USA, 18-20 July 2019.
53. Lubna Obaid, Sama Alani, Maher Omar, **Samer Barakat**, Mohamed Arab, Moussa Leblouba, Abdallah Shanableh, Ali Tahmaz, "The Development of a Local Ground Motion Prediction Equation from Recorded Data", 4th International Conference on Geotechnical Research and Engineering (ICGRE'19), Rome, Italy, April 7-9, 2019.
54. A. Shweiki, M. Talha Junaid, **S. Barakat**, "FLEXURAL CHARACTERISTICS OF MORTAR CEMENT REINFORCED WITH 3D-PRINTED POLYMER", 4th International conference on Structural Engineering and Concrete Technology (ICSECT'19), Rome, Italy April 7 - 9, 2019.
55. Basil Ibrahim, M. Leblouba, Salah Altoubat, **Samer Barakat**, 2018, "Experimental study on the out-of-plane strengthening of unreinforced masonry walls using cement-based fiber composites, 2nd Intl. Symposium on Civil and Environmental Engineering (ISCEE'18), 3-4/12/2018, Kuala Lumpur, Malaysia.
56. **Samer Barakat** and Moussa Leblouba, Shear Strength of Corrugated Web Steel Beams: Experimental and Analytical Investigation, Transportation Research Board 97th Annual Meeting Transportation Research Board, TRB, Washington DC, USA, January 7-11, 2018.
57. Moussa Leblouba, **Samer Barakat**, "Performance of Wire Rope Isolators in the Seismic Protection of Equipment", Proceedings of the International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17), Sharjah, United Arab Emirates, April 18-20, 2017
58. **Samer Barakat**, **Salah Altoubat**, **Eman Al Bourai**, Shear Strengthening Reinforced Concrete Beams with Externally bonded Fiber-Reinforced Polymer: Updated Data Base, 9th International Conference on Engineering Mechanics, Structures, Engineering Geology- EMESEG '16, Istanbul, Turkey, April 15-17, 2016.

59. **Samer Barakat**, Omar Nassif, Optimization of Truss Structures Using Genetic Algorithms with Domain Trimming (GADT), 3rd International Conference On Advances in Civil and Structural Engineering-CSE 2015– Kuala Lumpur, Malaysia, 11-12-April 2015.
60. **Samer Barakat**, Ahmad Al Mansouri, Salah Altoubat, Experimental Study on the Shear Strength of Steel Beams with Trapezoidal Corrugated Webs, 3rd International Conference On Advances in Civil and Structural Engineering-CSE 2015– Kuala Lumpur, Malaysia, 11-12-April 2015.
61. **Samer Barakat**, Mohammad AlHamaydeh, Omar Nassif, Optimization of Seismic Isolation Systems with Viscous Fluid Dampers using Genetic Algorithms, COMPDYN 2015, 5th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Crete Island, Greece, **25-27 May 2015**.
62. Mohammad AlHamaydeh, **Samer Barakat**, Omar Nassif Optimization of Quatropod Jacket Support Structures for Offshore Wind Turbines Subject to Seismic Loads using Genetic Algorithms, COMPDYN 2015, 5th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Crete Island, Greece, **25-27 May 2015**.
63. **Samer Barakat**, Ahmad Al Mansouri, Salah Altoubat, Shear Strength of Steel Beams with Trapezoidal Corrugated Webs Using Regression Analysis, Civil Engineering for Sustainability and Resilience International Conference, CESARE '14, Amman, Jordan, **24-27 April 2014**.
64. **Samer Barakat** and Mohamad AlHamaydeh, Preliminary Design of the base isolation system with artificial neural network models, The 2014 International Conference on Neural Networks - Fuzzy Systems Venice, Italy, **March 15-17, 2014**.
65. Hisseine Ousmane, Salah Al-Toubat, and **Samer Barakat**, “Horizontal shear strength of fiber-reinforced composite deck slabs tested in the weak direction” In: Proceedings of the 2nd International Conference on the Advances of Civil, Structural, and Environmental Engineering (ACSEE), **October 2014**, Zurich, Switzerland.
66. **Samer Barakat**, Abdullah Shanableh and Khader Abu-Dagga, Indicative seismic risk GIS-based maps for the city of Sharjah, UAE, ASEA-SEC-1. The First Australasia and South-East Asia Structural Engineering and Construction Conference, Perth, Australia, Nov 28-Dec 2, 2012.
67. **Samer Barakat** and Helal Al Sahi, Seismic Performance of Vertically Mass Irregular RC Buildings, ASEA-SEC-1. The First Australasia and South-East Asia Structural Engineering and Construction Conference, Perth, Australia, Nov 28-Dec 2, 2012.
68. Samer Barakat and Hisham Ibrahim, Application of Shuffled Complex Evolution Global Optimization Technique in the Design of Truss Structures, ICMSAO 2011 - INTERNATIONAL CONFERENCE ON MODELING, SIMULATION AND APPLIED OPTIMIZATION 2011 - 19-21 April 2011, Kuala Lumpur, Malaysia.
69. Farid Abed, Samer Barakat and Mohamad AlHamaydeh, Numerical Simulation of Buckling of Pretwisted Non-Circular Bars, ICMSAO 2011 - INTERNATIONAL CONFERENCE ON MODELING, SIMULATION AND APPLIED OPTIMIZATION 2011 - 19-21 April 2011, Kuala Lumpur, Malaysia.
70. Farid H. Abed, Samer A. Barakat, and Mohammad AlHamaydeh NONLINEAR FINITE ELEMENT ANALYSIS OF BUCKLING CAPACITY OF PRE-TWISTED BARS Engineering Mechanics Institute Conference (EMI2011), Northeastern University, Boston, MA, June 2-4, 2011.
71. SALAH AL TOUBAT, HUSSEIN OUSMAN, SAMER BARAKAT, Diaphragm Testing of Fiber-Reinforced Composite Metal Decks with Reentrant Profile, IMS/4 INTERNATIONAL CONFERENCE ON THE APPLICATIONS OF TRADITIONAL & HIGH PERFORMANCE MATERIALS IN HARSH ENVIRONMENT MARCH 24-25, 2010.
72. Samer Barakat, A Shoveled Complex Evolution Optimizer for Truss Structure Optimization International Conference on Computing in Civil and Building Engineering 2010, NOTTINGHAM, UK
73. Khader Abu-Dagga, Samer Barakat, and Abdullah Shanableh, Seismic Fragility Assessment for Selected Buildings in Sharjah, United Arab Emirates, International Conference on Computing in Civil and Building Engineering 2010, NOTTINGHAM, UK
74. Salah Altoubat, Hussein Ousman, Samer Barakat, Diaphragm testing of fiber-reinforced composite metal decks with reentrant profile, ims/4 international conference on the applications of traditional & high performance materials in harsh environment, American university of Sharjah, Sharjah, United Arab Emirates, MARCH 24-25, 2010

75. Samer Barakat, Optimization of prestressed concrete flanged-section beams, 8th International Congress on Civil Engineering, Shiraz University, Shiraz, Iran, May 11-13, 2009.
76. Salah Altoubat, Samer Barakat, Yazdanbakhsh Ardavan, and Klaus-Alexander Rieder SHEAR STRENGTH AND DUCTILITY OF BEAMS REINFORCED WITH SYNTHETIC MACRO-FIBERS, RILEM, Poland, 2009.
77. S. Barakat, A. Shanableh, M. Omar, From Course Learning Outcomes to Program Objectives-Based Assessment Process, Symposium on Engineering Education, UAE University, Al-Ain, United Arab Emirates 2009
78. Samer Barakat and Salah Altoubat, Application of Shuffled Complex Evolution Global Optimization Technique,” Third International Conference on Modeling, Simulation, and Applied Optimization (ICMSAO'09), AUS, Sharjah, 2009.
79. Salah Altoubat and Samer Barakat, Shear Behavior of Concrete composites with Synthetic Macro Fibers, Seventh International Conference on Composite Science & Technology (ICCST/7), AUS, Sharjah, 2009.
80. Maher Omar, Abdallah Shanableh and Samer Barakat, Another dimension of student engagement - student satisfaction survey, UB – NE ASEE 2009 Conference, USA.
81. A Framework for Comparative Risk Assessment of Earthquakes Consequences in the United Arab Emirates. A. Shanableh, S. Barakat and A. I. H. Malkawi, International Symposium Disaster Reduction on Coasts, Monash University, Melbourne, Australia 14 – 16 November 2005.
82. Samer Barakat, Osman Ibrahim, “Welding of Precast Reinforced Concrete Beams”, Published in 5th ASIA PACIFIC STRUCTURAL ENGINEERING AND CONSTRUCTION CONFERENCE, 26-28 August 2003, Johor Bahru, Malaysia, pp 261-274.
83. Salah, Altoubat, Samer Barakat and Akthem Almanaseer, "Effect of Shrinkage Admixtures on Prestressed Concrete Beams", Presented in First International Conference on Application of Traditional and High performance Materials on Harsh Environment, AUS, UAE, January 20-22, 2004.
84. Abdallah Shanableh, Maher Omar, Bassem Younes, and Samer Barakat “Perceptions On Effective Engineering Education”, 33rd, ASEE/IEEE Frontiers in Education Conference, November 5 - 8, 2003, Boulder, Colorado S4B 1-6.
85. Abdallah, I.H. Malkawi, Samer Barakat, Ehab Shatnawi, "Static and Dynamic Stability Analysis of Al-Wehdah RCC Dam", Seismology and Earthquakes in the Arabian Gulf Region- Towards Cooperative efforts in Seismology", 22-25 February 2004, Sharjah, UAE.
86. Maher Omar, Abdallah Shanableh, Samer Barakat, Adnan Basma, Ali Tahmaz, Braja Das, “Compaction Characteristics of Some Granular Soils” 12th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering Singapore pp. 517, August 2003.
87. Salah, Altoubat, Samer Barakat and Akthem Almanaseer, "Effect of Shrinkage Admixtures on Prestressed Concrete Beams", Presented in ACI Spring Convention, Concrete- A Century of Innovation, Washington, D.C., USA, March 14-18, 2004.
88. Salah, Altoubat, Samer Barakat and Akthem Almanaseer, "Effect of Shrinkage Admixtures on Prestressed Concrete Beams", submitted to First International Conference on Application of Traditional and High performance Materials on Harsh Environment, AUS, UAE, January 20-22, 2004.
89. Samer Barakat, Abdallah Husein and Ayad, Humadi, “Parametric Study using FEM for the RCC Tannur Dam”, International conference on Roller Compacted Concrete Dam Construction in Middle East, 7-10 April 2002, Jordan.
90. Mohammed Shanag, Feras Jaber, Samer Barakat, "Repair and Strengthening of Concrete Structures using High Performance Cementitious Composites", Second International Conference on Engineering Materials, August 16-19, 2001, California, USA.
91. Al-Harthy A.S., Barakat A.S., (1996) " An Algorithm for Structural Reliability Assessment", ICCE-96, The Second International Conference in Civil Engineering on Computer Applications, Research and Practice, Vol. 2, 459-464, Bahrain.
92. Basma A.A., Barakat A.S., (1996) " Prediction of Concrete Degree of Hydration Using Artificial Neural Networks", Concrete Technology for Developing Countries, Fourth International Conference, November 1996, Gazimagusa, North Cyprus.

93. Samer Barakat and Dan Frangopol (1995) "Towards Damage-Oriented Reliability-Based Design of Bridge Systems", Session at Structures Congress '95, Boston, USA, April 1995.
94. Frangopol, D.M.; S. Barakat and M. M. Tudor, (1993) "Experiences in Reliability-Based Optimization of Plate Girders for Highway Bridges"; 5th WG 7.5 Conference on Reliability and Optimization of Structural Systems, Takamatsu-shi, Kagawa, Japan, March 24-26, 1993.

C. Submitted Journal Papers

95. M. Leblouba, Muhammad E. R., Samer Barakat, Lau H. H., 2018, "Lateral behavior of polycal wire rope isolators subjected to large deformations", Sound and Vibration, JSVD1800267 **Under review**

D. Edited Books

96. Proceedings of the International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17), Editors: Shanableh, A., Maalej, M., Barakat, S., Omar, M., Al-Toubat, S., Al-Ruzouq, R., and Hamad K. MATEC Web of Conferences, Volume 120 (2017), EDP Sciences, France, eISSN: 2261-236X. (DOI: 10.1051/mateconf/201712000001).

E. Technical Reports:

97. Malkawi, A. H., Barakat, S. A., Shanableh, A., Al Bdour, W., Omar, O. and Altoubat, S. "Seismic Hazard Assessment and Mitigation of Earthquake Risk in United Arab Emirates", UOS-3, College of Graduate Studies and Research, University of Sharjah, 2007.

F. Funded Projects

F1. Funded by UOS –Office of Vice Chancellor for Research and Graduate Studies

1. Project No. G.R.C/S.R. 332/2014, UOS: "Shear strength of trapezoidal corrugated steel webs", 2014-2015.
2. Experimental Study on Shear strength of trapezoidal corrugated steel webs, Samer Barakat, Salah Altoubat, Mohamed Maalej, Moussa Leblouba, Competitive Research No. 1502040112-P, 2015 -2018.
3. Rapid Strengthening of Unreinforced Masonry Walls for Out-of-Plane Action Using Fiber Reinforced Shotcrete, Salah Altoubat, Mohamed Maalej, Samer Barakat, Moussa Leblouba, Pierre Estephane, Competitive Research No. 15020401008-P, 2015 -present.
4. Innovative Vibration Attenuation Devices for Equipment and Structures, Mohamed Maalej, Moussa Leblouba, Salah Altoubat, Samer Barakat, Competitive Research No. 15020401009-P, 2015 -present.
5. Estimation of Earthquake Hazard in Sharjah, Prof. Samer Barakat, Dr. Salah Altoubat, Prof. Mohamed Maalej, Dr. Moussa Leblouba, Dr. Maher Omar, Prof. Abdallah Shanableh, Collaborative research No. 1602040147-P, October 2016-present.

F2. Funded by UOS – College of Graduate Studies and Research

6. Project No. 070408 College of Graduate Studies and Research, UOS: "Buckling of Pretwisted Columns", Samer Barakat, December 2007-closed.
7. Project No. 040106 Research Center UOS: " Concrete Weld: Long-Span Beams from Precast Elements", Samer Barakat, 2001-2006.
8. Project funded by Research Center UOS: Collaboration and Capacity Building in Seismology – Methodology for Assessing Earthquakes Impact on Health, Environment, and Infrastructures in UAE, Samer Barakat, Abdullah Shanableh, Maher Omar from UoS/Research Center and JUST - Dean of Scientific Research.

F3. Funded by Deanship of Scientific Research at JUST

9. Grant No. 15/97 JUST: "Flexural Buckling of pre-twisted columns (Experimental study)", Investigators: S. Barakat, G. Abu-Farsakh and M. Smadi.
10. Grant No. 1/98 JUST: "On the evaluation of ductility of RC Structures": S. Barakat and A. H. Malkawi.
11. Grant No. 3/95 JUST: "Determination of pile Dynamic Capacity with Artificial Network": A. Malkawi, S. Barakat and M. Al - Shriadeh.
12. Grant No. 43/95 JUST: "Hydrogeological Decision-Making: A Case Study of Recharging Unconfined Aquifer in the Yarmouk Basin": M. Al-Shriadeh, S. Barakat and A. Malkawi.
13. Grant No. 11/98 JUST: "The Rehabilitation & Restoration of the Zaidaniah Mosque in Tibneh, Koura, Jordan": R. Daher, S. Barakat and A. Malkawi.
14. Grant No. 80/98 JUST: "Effect of Scale and Progressive Failure on the Shear Strength of Non-Persistent Rock-Like Materials Joints": Omer Magied and Samer Barakat.
15. Grant No. 226/99 JUST: Structural behavior of retrofitted shear-deficient reinforced concrete beams": Mohammed J. Shannag, Samer A. Barakat, and Feras K. Jaber.
16. Grant No. 234/99 JUST: "Structural Seismic Behavior of Retrofitted Beam-Column R.C. Joints", Samer A. Barakat, Mohammed J. Shannag and Mohammed A. Ibrahim.

F4. Funded by Higher Council of Science and Technology in Jordan

17. Earthquake Hazards Evaluation and Methods of Mitigating their environmental impacts, National Project, Structural group, 1997-2000.

G. Research Groups

1. Member out of six of the research group, "Sustainable construction materials and structural systems" Office of Vice Chancellor for Research and Graduate Studies through Research Institute for Sciences and Engineering, 2015 - Present.
2. Coordinator for the research group, "Hazards and Engineering Risk Management": hosted by College of Engineering, September 2007 - 2010.
3. Member out of eight of the research group, "Intelligent systems and Infra Structures": hosted by College of Engineering, September 2007 - 2010.

H. G. Supervised and co-supervised several Master Thesis

H1. UoS

No.	Title	Type	Student	Date
1	Experimental Study on The Shear Strength of Externally S-Bonded Carbon Fiber Reinforced Polymers (EX-FRP) Reinforced Concrete (RC) Beams	Co with Prof. Mohamad Maalej , @ University of Sharjah, Joint supervision	Student: Hazem Al Farra	Started May 2018 ongoing
2	3d printed polymer reinforcement for mortar cement	Co with Dr. M. Talaha Junid , @ University of Sharjah, Joint supervision	Student: Ahmad Shewaki	Started May 2018 ongoing
3	MSc: Stability Analysis of Thin-Walled Steel Multi-Column Bundles	Main with Dr. Moussa Leblouba , @ University of Sharjah, Joint supervision	Student: Saif Uddin M. Al-Khaled	Started June 2017 ongoing
4	MSc: Dynamic behavior of the connection girder-stud-deck of reinforced concrete bridges: an experimental study	Co with Dr. Moussa Leblouba , @ University of Sharjah, Joint supervision	Student: Mohammed Siraj Aldeen Khoudhair	Started June 2017 ongoing

No.	Title	Type	Student	Date
5	Control of Wind-Induced Motions in Tall Buildings-Performance and Cost-Efficient Solutions.	Main with Dr. Moussa Leblouba, @ University of Sharjah, Joint supervision	Student: Anas Mustapha Cherkaoui	Started January 2016
6	Optimization of the Seismic Performance of Frames with Engineered Cementitious Composites	Co with Dr. Moussa Leblouba, @ University of Sharjah, Joint supervision	Student: Abdulrahman Mustafa	Started January 2016 ongoing
7	Probabilistic Assessment of ACI 318 Minimum Thickness Requirements for Two Way RC Slabs	Co with Dr. Salah Altoubat, @ University of Sharjah, Joint supervision	Student: Khalid Ali Ahmat	Started January 2016 ongoing
8	Behavioral Trends of RC Beams Strengthened in Shear with Externally Bonded Fiber Reinforced Polymer (EB-FRB)	Main with Dr. Salah Altoubat	Eman Nayef Alburai	January 2016
9	Numerical and Experimental study on the shear strength of steel beams with Trapezoidal Corrugated Webs.	Main with Dr. Salah Altoubat	Ahmad Almansouri	January 8 2015
10	OPTIMIZATION OF NATURAL RUBBER SEISMIC ISOLATION SYSTEMS WITH SUPPLEMENTAL VISCOUS DAMPING FOR NEAR-FIELD GROUND MOTION	Master Thesis – Main supervisor	Omar Nassif	May 2014
11	Optimization of Concrete Arches Through Prestressing.	Co-supervisor with Dr. Salah Altoubat	Humam Alsebai	May 2014
12	Seismic Risk Assessment for Buildings in Sharjah, MSc. Thesis 2009.	Master Thesis – Main supervisor	Khader Abu Daqa	2007-2009
13	Diaphragm action of composite metal deck with fibers. MSc. Thesis, 2009.	Master Thesis – Co-supervisor	Husien Osman	2007-2009
14	Seismic Performance of Vertically Mass Irregular Reinforced Concrete Structures, 2009.	Research Project Supervisor	Helal Al Sahi	May-2009

H2. JUST (9 Thesis from 1994 to 2000)

1. Reliability-based analysis and design of laterally loaded piles, by Ra'ed Tahat, M.S., 1996.
2. Evaluation of ductility, ductility reduction and over strength factors as applied to the Jordanian Seismic Code, by Anis Shatnawi, M.S., 1996.
3. Application of Optimization Techniques in the RC Water Tank design, by Mohammed Husienat, M.S., 1997.
4. Application of Optimization Techniques for the design of prestressed concrete girder bridges, by Awf A. Al-Ani, M.S., 1997.
5. Characterization and Modeling of damage of composite materials, by Farid Hamid Abed Al-Rawi, M.S., Co-advisor, 1997.
6. Tension Failure of Laminated fibrous composites with holes, Eyad Ali Humadi, M.S., 1998.
7. Multi-Objective Reliability-based optimization of Prestressed concrete beams, by Mohammed Q. Al-Mohammed, 1999.
8. Structural behavior of retrofitted shear-deficient reinforced concrete beams, by Feras K. Jaber, M.S., Co-advisor, 2000.

9. Structural Seismic Behavior of Retrofitted Beam-Column R.C Joints, by Mohammed A. Ibrahim, M.S., 2000.

I. Honors and Awards

1. Recipient, University of Sharjah outstanding research award sponsored by Bank of Sharjah “Reliability based risk index for the design of reinforced earth structures”.
2. Best Research Group (Group coordinator)– 4th Annual Scientific Research Forum – 2008.
3. Recipient of annual faculty incentive awards in the field of research for the year 2009/2010
4. Recipient of annual faculty incentive awards in the field of research for the year 2014/2015

J. Other Research Related Activities

No.	Activity	Location
1	Co-Chair the technical committee of the on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17)	Sharjah, United Arab Emirates, April 18–20, 2017
2	Member of the Scientific Committee of CESARE'20 and advisor on issues related to the success of the Conference.	Shanghai, China, 22 -25 April 2020
3	Member of the Scientific Committee of CESARE'19	China September 2018
4	Member of the Scientific Committee of CESARE'17	Jordan Amman April 2017
5	One of the Scientific and organizing Committee for the Forum: "Seismology and Earthquakes in the Arabian Gulf Region, towards Cooperative efforts in Seismology".	University of Sharjah, Sharjah, UAE. 22-25 February 2004.
6	International Scientific Committee for the international conference on Roller Compacted Concrete Dam Construction in Middle East.	JUST, 7 –10 April 2002 - Jordan.

L. Evaluation of Papers/Research projects

No.	Evaluated paper	Journal Title
1	Bond behavior between steel rebars and concrete with carbon nanotubes, May 2018	Steel and Composite Structures, An International Journal
2	Practical Application of RS and PEM Non-Deterministic Methods in an Excavation Problem: Case Study, GEGE-D-18-00075, May 2018	Geotechnical and Geological Engineering
3	Behavior of RC Beams Strengthened with CFRP Sheets: Experimental Study, April 2018	The Journal of Engineering Research
4	Experimental and Analytical Study on the Shear Strength of Corrugated Web Steel Beams, April 2018	Steel and Composite Structures, An International Journal
5	Modified Simulated Annealing Algorithm for Discrete Sizing Optimization of Truss Structure, August 2017	JJCE
6	A hybrid analysis method for displacement-monitored segmented circular tunnel rings Engineering Structures, March 2017	Engineering Structures
7	Early-age self-healing of cementitious materials containing ground granulated blast-furnace slag Cement and Concrete Composites, 2016	Cement & Concrete Composites <ccc@elsevier.com>
8	Determination of the Appropriate Geometry of Footwall Drifts using Numerical Analysis Technique, 2016	Geotechnical and Geological Engineering (GEGE) <em@editorialmanager.com>
9	Creep and Drying Shrinkage of Concrete containing GGBFS Cement and Concrete Composites	Cement & Concrete Composites <ccc@elsevier.com>
10	Feasibility of using Recycled-Aggregates in Self-Curing Concrete The paper presents and experimental study of the use of recycled aggregates in self-curing concrete, 2016	JJCE
11	WIND PRESSURE AND VELOCITY PATTERN AROUND 'N' PLAN SHAPE TALL BUILDING-A CASE STUDY, 2016	JJCE
12	Post-heating behavior of concrete beams reinforced with fiber reinforced polymer bars, January 2015	Structural Engineering and Mechanics, An International Journal
13	Numerical Modeling of Skin Resistance Distribution with Depth in Driven Piles-May 2013.	Geotechnical and Geological Engineering-GEGE
14	Theoretical and Experimental Study on Load- carrying Capacity of Combined Members Consisted of Inner and Sleeved Tubes 10-11-2012	Structural Engineering and Mechanics, An international Journal
15	An Investigation on the Learning styles of Architecture and Civil Engineering Students 4-3-2013	ISRN Construction Engineering
16	An Example of Work Safety Directive for Construction Sites, 10-3-2013	ISRN Construction Engineering
17	Health Monitoring of Nuclear Structure Containment Using Strain Gauges and to Assess the Integrity, 6-6-2013.	ISRN Construction Engineering
18	Progressive Collapse Assessment of Framed Reinforced Concrete Structures According to UFC Code. 2012	Engineering Structures
19	Flexural capacity of prestressed beams cast with ultra-high-performance concrete, 2012	Engineering Structures
20	PREDICTIONS OF LOW-CYCLE FATIGUE LIFE OF STEEL REINFORCING BARS USING ARTIFICIAL NEURAL NETWORK.	Journal of the Franklin Institute
21	DYNAMIC ANALYSIS OF REINFORCED BRICK MASONRY INFILLED RC FRAMES UNDER SEISMIC LOADING.	Journal of the Franklin Institute
22	PREDICTIONS OF LOW-CYCLE FATIGUE LIFE OF STEEL REINFORCING BARS USING ARTIFICIAL NEURAL NETWORK.	Journal of the Franklin Institute
23	Inelastic Load Distribution in Multi-Girder Composite Bridges Engineering Structures	Engineering Structures
24	Structural dynamic optimal design based on the dynamic reliability	Engineering Structures
25	Reliability-based design optimization of adhesive bonded steel-concrete composite beams with probabilistic and non-probabilistic uncertainties	Engineering Structures
26	Topology and Parameter Optimization of Foaming Jig Reinforcement Structure by Response Surface Method	Computer-Aided Design Elsevier Editorial Services

IV. COMMUNITY SERVICE

A. Organizing workshops

No.	Title	Location	Date
1	Workshop on Statistical Analysis using SPSS	Center for Continuing Education & PD	October 2017
2	Member of the Scientific Committee of CESARE'17 and advisor on issues related to the success of the Conference.	Jordan Amman	April 2017
3	Member of the Scientific Committee of CESARE'19 and advisor on issues related to the success of the Conference.	China	September 2018
4	Co-Chair the technical committee of the on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17)	UOS	Sharjah, United Arab Emirates, April 18–20, 2017
5	Introduction to Seismic Hazard Assessment & Earthquake Impacts in the UAE	UOS	April 2007
2	Engineering Solutions & Risk Management – Selected Topics	UOS	April 2008
3	Accreditation, Assessment & Future Outlook for Civil & Environmental Engineering Education	UOS	April 2008
4	1 st Graduate Students Forum	UOS	Dec. 2007
5	Accreditation, Assessment & Future Outlook for Civil & Environmental Engineering Education	UOS	2007-2009
6	Sustainable Design & Construction Materials	UOS	2007-2009

B. Consultancy or expert services

No	Activity	Beneficiaries	Date
1	Consultancy or expert services Scaffolding elements Test.	RMD Kwikform Middle East L.L.C	May 2018
2	Lab Testing -Consultation for the Directorate of Public Work, Government of Sharjah. Investigation of the Load Capacity of Scaffolding Elements and 3D System of the Collapsed Slab/Al-Nashi' Center –Sharjah.	Government of Sharjah	Feb 25-March 2, 2004
3	Rehabilitation of Irbid Secondary School in its first Anniversary, Irbid Municipality, Irbid - Jordan.	Jordan	2000
4	Rehabilitation of four story concrete building in Irbid City having crushed column-necks slightly above the foundation level, 1999, Jordan University of Sci. and Tech., Jordan.	Jordan	1999
5	Reviewing the structural Design of Prestressed Slabs in JORDACH Factory – Irbid	Jordan	2000
6	Reviewing the structural Design of the Al Ramtha Stadium.	Jordan	2000
7	Local – UAE - Golf Scaffolding Factory, elements Test. - Compression Test on Steel Tabular Props.	Local Companies	2001-2002
8	Regional – GCC - Reviewing the structural Design of Prestressed Box Girder Bridges for Dar Al khalij – SA.	GCC - SA	2008

V. ADMINISTRATIVE ACTIVITIES

I have participated in the following task forces at the level of Dept., College and University:

No.	Activity	Duties	Date	
			From	To
1	PhDCE program committee	Chair/Dept.	9-2015	2018
2	T & L committee	Chair/College	9-2013	9-2015
3	T & L committee	member/Dept.	9-2013	present
4	Assessment and Accreditation Committee	Chair/Dept.	9-2013	present
5	Graduate Studies Committee	Member/Dept.	9-2013	present
5	Study Plans and Curricula Committee Members	Member/UOS	9-2013	9-2015
6	Shared Department Representative for Task stream web based implementation.	Member/Dept.	04-2013	2015
6	Promotion committee	Member/College	2013	present

No.	Activity	Duties	Date	
			From	To
1	UOS Committee for Curriculum & Education System	Member/U	9-2003	9-2004
2	Examination committee	Chair/D/C	9- 2003	9- 2004
3	Undergraduate Education	Member/D/C	9- 2003	9-2004
4	UOS Committee for Curriculum & Education System	Member/U	9-2004	9-2005
5	Examination committee	Chair/D	9- 2004	6- 2005
6	College Council	Civil Engineering Dept. representative/C	9- 2004	6-2005
7	UOS Committee for Research	Member/U	9-2005	9-2006
8	Examination committee	Chair/D	9- 2005	9- 2006
9	Assessment and CPI Committee	Member/C , Chair/D	9- 2004	9-2006
10	Assistant to Dean	College of Eng. -UoS	1-2006	9-2006
11	Chairman	CE Dept at JUST	9-2006	9-2007
12	Accreditation committee	Chair/D	9- 2006	9- 2007
13	Graduate Studies Committee	Member/C , Chair/D	9- 2006	9-2007
14	T & L committee	Chair/C	9-2007	9-2008
15	Examination committee	Coordinator	9-2007	present
16	Assessment and CPI Committee	Chair/D	9-2007	present
17	UOS Committee for Curriculum & Education System	Member/U	9-2007 9-2009 9-2013	9-2009 9-2010 9-2014
18	UOS – SIB/Awards Committee	Member/U	9-2007 9-2009	9-2009 9-2011
19	UOS – Incentive Awards Committee	Member/U	2007	2008

VI. COMPUTER PROFICIENCY

1	Systems	Workstations and PC's
2	Languages:	FORTRAN, MATLAB.
3	Packages:	Windows, Sciword, Excel, GRAPHER, AutoCAD, Matlab, Neural Networks, STADPRO, SAP2000, ETABS, SAFE, SPSS and a variety of software.
4	Developed Software Packages:	RELTRAN: A computer program for Reliability analysis developed at the University of Colorado at Boulder (1993).