

**Khaled Elleithy, Ph.D.**  
**Fellow, African Academy of Science**  
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Page: <http://KhaledElleithy.org>

**Education**

- Ph.D., Computer Science, the Center for Advanced Computer Studies (CACs), University of Louisiana at Lafayette, USA, May 1990.
- M.S., Computer Science, the Center for Advanced Computer Studies (CACs), University of Louisiana at Lafayette, USA, May 1988.
- M.S., Computer Science and Automatic Control, Computer Science and Automatic Control Dept., Faculty of Engineering, University of Alexandria, Egypt, July 1986.
- B.S., Computer Science and Automatic Control, Computer Science and Automatic Control Dept., Faculty of Engineering, University of Alexandria, Egypt, May 1983.

**Ph.D. Thesis**

*“A Formal Framework for High Level Synthesis of Digital Designs,”* M. A. Bayoumi (Chairman), The Center for Advanced Computer Studies, University of southwestern Louisiana, May 1990.

**MS Thesis**

*“Multi-access Protocols in Local Area Networks,”* M. S. Selim (Chairman), Computer Science and Automatic Control, Alexandria University, Alexandria, Egypt, July 1986.

**Research Interests**

Wireless Sensor Networks, wireless communications, and information security  
Quantum Computing  
Formal approaches for design and verification  
Computer Architecture and Computer Arithmetic

### Current Administrative Positions

Associate Vice President for Graduate Studies and Research, University of Bridgeport, Bridgeport, Connecticut, USA

Associate Dean, College of Engineering, Business and Education, University of Bridgeport, Bridgeport, Connecticut, USA

Associate Dean for Graduate Programs, School of Engineering, University of Bridgeport, Bridgeport, Connecticut, USA

MS Online Program Advisor, of Bridgeport, *Bridgeport, Connecticut, USA*

Ph.D. Program Director, University of Bridgeport, *Bridgeport, Connecticut, USA*

### Current Academic Positions

Professor, Computer Science and Engineering Department, University of Bridgeport, Bridgeport, Connecticut, USA

Professor, Electrical Engineering Department, University of Bridgeport, Bridgeport, Connecticut, USA

Director, Mobile and Wireless Communications Laboratory, University of Bridgeport, Bridgeport, Connecticut, USA

### Employment History

**Associate Dean, College of Engineering, Business and Education**, University of Bridgeport, Bridgeport, Connecticut, USA (September 2018 – current)

**Associate Vice President for Graduate Studies and Research**, University of Bridgeport, *Bridgeport, Connecticut, USA* (April 2014 – current)

**Associate Dean for Graduate Programs**, School of Engineering, University of Bridgeport, *Bridgeport, Connecticut, USA* (March 2006 – Sept. 2018)

**Professor, Computer Science and Engineering Department, University of Bridgeport, Bridgeport, Connecticut, USA** (May 2003 - Now)

Digital logic	(CpE 210)	sophomore
Embedded System Design	(CpE 387)	Junior
Data Communications/Networks	(CpE 471)	Senior/Graduate
Database Design	(CS 450)	Senior/Graduate
Performance Evaluation of Systems	(CpE/CS 560)	Graduate
Network Security	(CpE/CS 561)	Graduate
Mobile Communications	(CPE481)	Senior/Graduate
Network Administration	(CPE 482)	Senior/Graduate
Wireless Sensor Networks	(CPSE 691)	Graduate
Quantum Computing	(CPEG 606)	Graduate

**Adjunct Instructor**, Computer Science Department, Sacred Heart University, Fairfield, Connecticut.

Network Security	(CS 622)	Graduate
Advanced Network Security	(CS 623)	Graduate

**Online Instructor**, Graduate InfoSec Program, Computer Science department, James Madison, MSC 4103, Harrisonburg, VA 22807 (Summer 2002, 2003)

**Associate Professor, Computer Science and Engineering Department, University of Bridgeport, Bridgeport, Connecticut, USA** (January 2000 – May 2003)

**Associate Professor, Computer Engineering Department, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia.** (April 95-Dec 99)

**Assistant Professor, Computer Engineering Department, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia.** (Sep90-April 95)

Undergraduate

Logic Design I	Sophomore
Computer Architecture I	Junior
Logic Design II	Junior
Data Communications for Business	Junior
Data Communications	Junior
Personal Computers	Senior
Computer Architecture II	Senior
Computer Networks	Senior
Bit slice microprocessor Design	Senior
VLSI RISC Architectures	Senior

Graduate

Architecture and Design of Computer Systems  
Advanced Computer Architecture  
Design of Arithmetic Units  
Foundations of Hardware Design Verification.  
Performance Evaluation of Computer Systems

**Research Associate, The Center for Advanced Computer Studies, University of South Western Louisiana, Lafayette, USA.** (May90-Sep90)

**Research Assistant, The Center for Advanced Computer Studies, University of South Western Louisiana, Lafayette, USA.** (May88-May90)

**Teaching Assistant, Electrical and Computer Engineering Department, University of South Western Louisiana, Lafayette, LA, USA.** Different Dept. Courses (Lab instructing, Grading) - 20 hours/week- (Aug86-May88)

**Tutor, The International Student Office, University of South Western Louisiana, Lafayette, USA.** (Aug86-May90)

**System Programmer, Gathwary computers, Alexandria, Egypt.** Participation in the design and implementation of different applications. Aug85-Aug86)

**Lecturer, Air Defense College, Alex., Egypt.** Digital systems and microprocessor courses and labs. -10 hours/week- (Apr85-Aug86)

**System Programmer, Air Defense College, Alexandria, Egypt.** Participation in the design and implementation of different data-base applications in the period (Jan84-Apr85)

**Lecturer, Computer Sc. Dept., Alex. University, Egypt.** Preparing, consulting, grading, and lab instructing for different department courses. -14 hours/week- (Oct83-Aug86)

**Lecturer, Arab Maritime Transport Academy, Alex., Egypt.** Programming Languages courses and Digital lab. -10 hours/week- (Aug83-May85)

**Programmer, Computer Center, Achen University, Achen, West Germany.** Design of a package for simulating time sharing systems (July 82-Sep82)

**Programmer, Computer Sc. Dept., Faculty of Eng., Alex. University, Egypt.** Participation in the design and implementation of many packages (Registration, planes reservation,). (July 80-Sep 80), (July 81-Sep81)

## Research Grants

1. Principal Investigator, "Implementation and Performance Evaluation of Overlay End System Multicast (ESM) for Stable and Fast Streaming of Multimedia Applications over Satellite Networks," \$20,000, CT NASA Space Grant, January 2019 – May 2019, Funded.
2. Principal Investigator, "Epilepsy Seizure Detection Using EEG Signals and Smart phone development," \$5000, CT Next Grant, December 2019 – November 2019, Funded.
3. Principal Investigator, Cisco Networking Academy, Equipment Grant, \$16,000, November 2014, Funded.
4. Co-Investigator, "Advanced Technology in Support of Hybrid Projectiles," FY 2010 Defense Appropriation Request, \$2.4 million, January 2010 – July 2012, Funded.
5. Co-Investigator, "Hybrid Projectile Vision System," Imperial Machine and Tool Company, \$30,000, April 2010 - July 2010, Funded.
6. Co-Investigator, Development of a travel grant, U.S. Army Armament, Research, Development & Engineering Center (ARDEC), \$5,000, January 2010, Funded.
7. Co-Investigator, "Hybrid Projectile Design," U.S. Army Armament, Research, Development & Engineering Center (ARDEC), \$57,688, August 2008 – June 2009, Funded.
8. Principal Investigator, "Implementation and Performance Evaluation of Overlay End System Multicast (ESM) for stable and Fast Streaming of Multimedia Applications," University of Bridgeport Seed Money Grants, \$10,000, August 2008 – May 2009, Funded.
9. Principal Investigator, "Mobile Content Manager," United Nations Development Program (UNDP), Transfer of Knowledge through Expatriate Nationals (TOTKEN) Fund, \$3,500, June 2001, Funded.
10. Co-Investigator, "Security Implementation and Evaluation of Aramco Enterprise Network," Saudi Armco, \$53,000, May 1999- May 2000, Funded.
11. Principle Investigator, "A Formal Methodology for Parallel VLSI Algorithm Design," King Abdul Aziz City of Science and Technology (KACST), \$78,000 January 1993- December 1995, Funded.

## Ph.D. Dissertation Supervision

1. Jasem Al Almotiri, A Multi-Anatomical Retinal Automatic Eye Screening Using Morphological Adaptive Fuzzy Thresholding, October 2018.
2. Wafa Elmannai, A Highly Accurate and Reliable Data Fusion Framework for Guiding Visually Impaired, May 2018.
3. Remah Alshinina, Efficient Actor Recovery Paradigm for Wireless Sensor and Actor Networks, May 2018.
4. Reem Mahjoob, Efficient Actor Recovery Paradigm for Wireless Sensor and Actor Networks, December 2017.
5. Abdulbast A. Abushgra, A New QKD Protocol Based Upon Authentication By EPR Entanglement State, December 2017.
6. Sumaya Abusaleh, A Novel Framework for Supervised Classification of Explosion Phenomena, December 2017.
7. Muneer Alshowkan, Deterministic and Efficient Three-Party Quantum Key Distribution, December 2017.
8. Ramadhan Mstafa, Efficient and Robust Video Steganography Algorithms for Secure Data Communication, May 2017.
9. Adwan Alanazi, An Optimized Hidden Node Handling Approach for Improving the Coverage and Network Efficiency in Wireless Multimedia Sensor Networks, May 2017.
10. Abrar Alajlan, A Highly Reliable, Low Power Consumption, Low-Cost Multisensory Based System for Autonomous Navigational Mobile Robot, December 2016.
11. Marwah Almasri, Multi Sensor Fusion Based Framework for Efficient Mobile Robot Collision Avoidance and Path Following System, December 2016.
12. Bandar Alotaibi, Empirical Techniques to Detect Rogue Wireless Devices, December 2016.

13. Naser Alajmi, A Multi-Layer Approach For Detection of Selective Forwarding Attacks In Wireless Sensor Networks, December 2016.
14. Samir Hamada, Innovative Techniques for the Implementation Of Adaptive Mobile Learning Using The Semantic Web, May 2016.
15. Ibrahim Alkore Alshalabi, An Automated Adaptive Mobile Learning System Using Optimal Shortest Path Algorithms, May 2016.
16. Ammar Odeh, Robust Text Steganography Algorithms for Secure Data Communications, May 2015.
17. Abdul Razaque, Modular Energy Efficient Protocols for Lower Layers of Wireless Sensor Networks, May 2015
18. Laiali Almazaydeh, An Interactive, Real-time, High Precision And Portable Monitoring System of Obstructive Sleep Arena, August 2013.
19. Ali Elrashedi, A new Analytical Performance Model for Cylindrical Microstrip Printed Antenna, August 2012.
20. Mohammed A. Abuhelaleh, SOOAWSN: A secure object oriented architecture for wireless sensor networks, May 2011.
21. Syed Rizvi, A Generic Optimized Time Management Algorithms (OTMA) Framework for Simulating Large-Scale Overlay Networks, December 2010.

### **MS Thesis Supervision (Partial List)**

- Topological Design of Enterprise Networks
- A Hardware Model of An expandable RSA Cryptographic System
- Evaluation and Comparison of Internet Firewalls
- Designing a Self-Timed ALU
- Organization of Parallel Memories
- Design of a Formal Specification Language for Parallel VLSI Algorithms
- Design and Modeling of a Real Time RISC Processor
- Backend Design of a Formal High Level Synthesis System
- A BIST for a Histogrammer Memory Chip

### **Senior Project Supervision (Partial list)**

- Design of Residue Number System Arithmetic Processors.
- Performance Study of High Speed Adders
- Implementation of an Optimal Algorithm for RNS Arithmetic Processor Design
- Performance Study of RISC Processors
- Formal Hardware Verification
- A MIPS-X RISC Processor Emulator.
- Parallelizing Sorting Algorithms using OCCAM and Transputer
- An RNS Processor Emulator using Occam and Transputer.
- Hardware Verification Using an Expert System Shell
- Interfacing D/A and D/A Converters to a Transputer Based Machine
- A Transputer Based Sonar Range Finding
- Implementation of a new data link layer Protocol
- Analysis and study of Routing Protocols
- Design and implementation of Academic department database
- Translation of Web page to Arabic language

### **Honors**

1. Selected Fellow of the African Academy of Sciences, 2017.
2. Recipient of the 2015 Connecticut Quality Improvement Award (CQIA) Gold Innovation Prize.

3. Distinguished Professor of the Year, University of Bridgeport, academic year 2006-2007.
4. Nominated for University of Bridgeport Distinguished Professor for academic years 2004 and 2005. Prof. Elleithy was one of two finalists.
5. Nominated for King Fahd University of Petroleum and Minerals for Best Teacher Award.
6. Distinguished Annual evaluation by KFUPM for 10 years in research, teaching and community services.
7. Honored at the “Academic Honors Day” of the University of South Western Louisiana for superior scholastic achievement, April 1988.
8. Certificate of merit, Air Defense College, Alexandria, Egypt, April 1985.
9. Badge of honor and Decoration, Graduation with the highest grade “Distinction with Degree of Honor” Egyptian Engineering Syndicate, June 1983.
10. Badge of honor and Decoration, Model student of Alexandria University for academic year 81/82, Alexandria University, Egypt, April 19882
11. Highest Scholarship, “Distinction” grade during all academic years, Alexandria University, Egypt, October 1978 - June 1983.
12. Badge of honor and Decoration, Scoring 96.25% in National High School Exam and nationally ranked fourth, Alexandria Governor, Egypt, June 1978.

## Awards

1. Jasem Almotiri, Khaled Elleithy and Abdelrahman Elleithy, Best paper in Applications track, IEEE Long Island Systems, Applications and Technology Conference, May 2018.
2. Jasem Almotiri, Khaled Elleithy and Abdelrahman Elleithy, Best Graduate Student Poster Award, ASEE American Society Engineering Education North East Conference, University of Hartford, Hartford, CT, April 2018.
3. Wafa M. Elmannai and Khaled Elleithy, Best Graduate Student Poster Award, Connecticut Symposium on Microelectronics & Optoelectronics, University of Connecticut, CT, April 2018.
4. Eugene P. Gerety and Khaled Elleithy, Best Graduate Student Poster Award, Connecticut Symposium on Microelectronics & Optoelectronics, University of Connecticut, CT, April 2018.
5. Jasem Almotiri, Khaled Elleithy and Abdelrahman Elleithy, Best Graduate Student Poster Award, Connecticut Symposium on Microelectronics & Optoelectronics, University of Connecticut, CT, April 2018.
6. Wafa Elmannai and Khaled Elleithy, First Place Best Doctoral Student Poster Award, Faculty Research Day, Bridgeport, CT, March 2018.
7. Susrutha Babu Sukhavasi and Khaled Elleithy, Third Place Best Doctoral Student Poster Award, Faculty Research Day, Bridgeport, CT, March 2018.
8. Mohamed Mohamed and Khaled Elleithy, Second Place Best Graduate Student Poster Award, Faculty Research Day, Bridgeport, CT, March 2018.
9. Eugene Gerety and Khaled Elleithy, Best Student Poster Award, ASEE American Society Engineering Education North East Conference, University of Lowell, Lowell, MA, May 2017.
10. Wafa Elmannai and Khaled Elleithy, Best Graduate Student Poster Award, Connecticut Symposium on Microelectronics & Optoelectronics, University of Connecticut, CT, April 2017.
11. Reem Mahjoub and Khaled Elleithy, Best Graduate Student Poster Award, Connecticut Symposium on Microelectronics & Optoelectronics, University of Connecticut, CT, April 2017.
12. Eugene Gerety and Khaled Elleithy, Best Graduate Student Poster Award, Connecticut Symposium on Microelectronics & Optoelectronics, University of Connecticut, CT, April 2017.
13. Razan Abdulhammed and Khaled Elleithy, First Place Best Doctoral Student Poster Award, Faculty Research Day, Bridgeport, CT, March 2017.
14. Eugene Gerety and Khaled Elleithy, Second Place Best Doctoral Student Poster Award, Faculty Research Day, Bridgeport, CT, March 2017.

15. Naser M. Alajmi and Khaled Elleithy, Best Paper in the Technology Track, Best paper in Technology track, IEEE Long Island Systems, Applications and Technology Conference, May 2016.
16. Zakareya Lasefr and Khaled Elleithy, First Place, Student Poster Award for Doctoral Category, Faculty Research Day, University of Bridgeport, Bridgeport, CT, 2016.
17. Marwah Almasri and Khaled Elleithy, Student Poster Award for Doctoral Category, Faculty Research Day, University of Bridgeport, Bridgeport, CT, 2016.
18. Abrar Alajlan, Marwah Almasri and Khaled Elleithy, Fourth place Poster award, ASEE Conference, Rhode Island, 2016.
19. Zakareya Lasefr and Khaled Elleithy, Honorable mention, ASEE Conference, Rhode Island, 2016.
20. Wafa Elmannai: Advisor - Khaled Elleithy, UPE \$2500 Scholarship, 2015.
21. Abrar Alajlan, Marwah Almasri and Khaled Elleithy, Best paper in Applications track, IEEE Long Island Systems, Applications and Technology Conference, 2015.
22. Wafa Elmannai: Advisor - Khaled Elleithy, Highest Standard Oil Academic Accomplishments \$1,000 Award, May 2015.
23. Abdulbast Abushgra and Khaled Elleithy, Best Student Poster Award for Doctoral Category, Faculty Research Day, University of Bridgeport, Bridgeport, CT, 2015.
24. Wafa Elmannai: Advisor - Khaled Elleithy, \$20,000 award, Association of University Women International Fellowship for 2015-16, 2015.
25. Wafa Elmannai: Advisor - Khaled Elleithy, Recipient of the Collegian Innovation & Leadership Award, Connecticut Technology Council 2015 Women of Innovation Awards, 2015.
26. Mostafa Ramadhan and Khaled Elleithy, Fourth place honorable mention Poster award, ASEE Conference, Boston, 2015.
27. Wafa Elmannai and Khaled Elleithy, Third Place, Student Poster Award for Doctoral Category, Faculty Research Day, University of Bridgeport, Bridgeport, CT, 2015.
28. Ammar Odeh: Advisor: Khaled Elleithy, UPE \$750 Scholarship, 2014.
29. Muneer Alshowkan and Khaled Elleithy, Second Place, Student Poster Award for Doctoral Category, Faculty Research Day, University of Bridgeport, Bridgeport, CT, 2014.
30. Wafa Elmannai and Khaled Elleithy, Best Professional Paper Award, ASEE Conference, University of Bridgeport, Bridgeport, CT, 2014.
31. Tamer Youssef and Khaled Elleithy, Second Place Student Poster Award, ASEE Conference, University of Bridgeport, Bridgeport, CT, 2014.
32. Marwah Almasri: Advisor - Khaled Elleithy, UPE \$750 Scholarship, 2013.
33. Laiali Almazaydeh and Khaled Elleithy, Best Graduate Paper Award, ASEE Conference, Norwich University Northfield, VT, 2013.
34. Sumaya Abusaleh and Khaled Elleithy, Fourth place honorable mention Poster award, Faculty Research Day, Bridgeport, CT, 2012.
35. Wafa Elmannai: Advisor - Khaled Elleithy, UPE \$1250 Scholarship, 2012.
36. Laiali Almazaydeh and Khaled Elleithy, Fourth place honorable mention Poster award, ASEE Conference, University of Massachusetts, Lowell, MA, 2012.
37. Laiali Almazaydeh: Advisor - Khaled Elleithy, UPE \$1,500 Scholarship, 2011.
38. Eugene Gerety and Khaled Elleithy, Second Place, Student Poster Award, ASEE Conference, University of Bridgeport, Bridgeport, CT, 2011.
39. Eugene Gerety and Khaled Elleithy, Best Student Poster Award, Faculty Research Day, Bridgeport, CT, 2011.
40. Syed Rizvi and Khaled Elleithy, Best Poster Award, ASEE Conference, University of Bridgeport, Bridgeport, CT, 2009.
41. Syed Rizvi and Khaled Elleithy, Best Paper Award, 13th IEEE Symposium on Computers and Communications (ISCC'08), Marrakech, Morocco, 2008.

## Professional Societies

- Senior Member of the IEEE computer society since 2013.
- Member of the Association of Computing Machinery (ACM) since 1990.
- Member of ACM SIGARCH (Special Interest Group on Computer Architecture) since 1990.
- Member of the honor society of Phi Kappa Phi University of South Western Louisiana Chapter since April 1989.
- Member of Circuits & Systems society since 1988.
- Member of the IEEE computer society since 1988.
- Member of the Egyptian Engineering Syndicate since June 1983

## Professional Activities

### Conferences Chairman

- Chairman, Annual IEEE Connecticut Conference on Industrial Electronics, Technology & Automation, Bridgeport, October 14 - 15, 2016
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 14), December 2014, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 13), December 2013, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 12), December 2012, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 11), December 2011, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 10), December 2010, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 09), December 2009, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 08), December 2008, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 07), December 2007, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 06), December 2006, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 05), December 2005, Virtual Conference.
- Chairman, IEEE International Conference on Industrial Electronics, Technology & Automation, IETA 2001, 19-21 December 2001, Cairo – Egypt.

### Membership in Technical Committees

1. Member, 2010 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2010.
2. Member, 2009 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2009.
3. Member, 2008 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2008.
4. Member, 2007 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2007.
5. Member, 2006 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2006.
6. Member, Program Committee of World Multiconference on Systemics, Cybernetics and Informatics (SCI 2006) Orlando, USA, July, 2006.
7. Member, 2005 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2005.



8. Member, Program Committee of World Multiconference on Systemics, Cybernetics and Informatics (SCI 2005) Orlando, USA, July, 2005.
9. Member, 2004 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2004.
10. Member, 2004 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2004. Member, World Multiconference on Systemics, Cybernetics and Informatics (SCI 2004) Orlando, USA, July, 2004.
11. Member, 2003 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Canada, July, 2003.
12. Member, 2003 International Program Committee of the 15th International Conference on Parallel and Distributed Computing and Systems in Marina del Rey, CA, USA, November 3-5, 2003.
13. Member, 2003 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Calgary, Canada, July, 2003.
14. Member, 7th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2003) Orlando, USA, July, 2003.
15. Member, 2002 International Program Committee of the 14th International Conference on Parallel and Distributed Computing and Systems in Cambridge (USA), November 4-6, 2002.
16. Member, 6th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2002) Orlando, USA, July, 2002.
17. Member, 2002 Program Committee of Workshop on System-on-Chip for Real-Time Applications, Banff, Canada, July 6-7, 2002
18. Member, International Program Committee of the 13th International Conference on Parallel and Distributed Computing and Systems (PDCS'01) in California (USA), August 21 - 24, 2001
19. Member, Technical committee of the 2001, Applied Informatics (AI) 2001, February 19-22, 2001 Innsbruck, Austria
20. Member, Program Technical Committee of the 2001 IEEE International Conference on Robotics and Automation in Seoul, Korea
21. Member, Program Technical Committee of the 2000 IEEE Workshop on SIGNAL PROCESSING SYSTEMS (SiPS) Design and Implementation, October 11-13, 2000, Lafayette, Louisiana.
22. Member, Program Technical Committee of 8<sup>th</sup> IEEE Great Lake Symposium on VLSI, GLS'98, Feb. 1998, Lafayette, Louisiana.
23. Member, Program Technical Committee of Conference on Parallel and Distributed Computing and Systems, PDCS 97, June 1997, Barcelona.
24. Member, Program Technical Committee of Eighth IASTED International Conference on Parallel and Distributed Conference, Oct. 1996, Chicago.
25. Member, Program Technical Committee of seventh International Conference on Microelectronics, Dec 1995, Malaysia.
26. Member, Program Technical Committee of 37th IEEE Midwest Symposium on Circuits and Systems, August 3-5, Lafayette, LA, USA, 1994.
27. Member, Program Technical Committee of sixth International Conference on Microelectronics, September 5 - 7, Istanbul, Turkey, 1994.
28. Member, Program Technical Committee of fifth International Conference on Microelectronics, Dec. 13-16, 1993, Dhahran, Saudi Arabia.

#### Membership in Standing Committees

**Member**, IASTED Standing Technical Committee on Parallel and Distributed Computing and Systems. The committee is responsible for the planning and organization of IASTED activities such as meetings and publications.

**Member**, American Biographical Institute Research Board of Advisors. The American Biographical Institute publishes the following biographical reference works since 1967:

*The International Directory of Distinguished Leadership*

*The International Who's Who of Professional and Business Women*

*The Dictionary of Leading Americans and the World Who's Who of Women*

## Editorial

- Editor Board Member, Electronics, MDPI.
- Editor Board Member, Communications, MDPI.
- Editor, Special issue on Wireless LANs, Journal of Internet Technology, April 2003.
- Editor, Special issue on Web-based controlled devices, International Journal of Robotics and Automation, November 2002.
- Editor, Special issue on network security, Journal of Internet Technology, April 2002.

## **Published Work**

### **Books**

1. Khaled Elleithy and Tarek Sobh, 2016 Annual Connecticut Conference on Industrial Electronics, Technology and Automation (CT-IETA), IEEE Xplore, 2016, ISBN 978-3-319-06764-3
2. Tarek Sobh, and Khaled Elleithy, 2015 U.S. Higher Education Faculty Awards, Vol. 3, River Publishers Series, 2015, ISBN 9788793379022
3. Tarek Sobh, and Khaled Elleithy, 2015 U.S. Higher Education Faculty Awards, Vol. 2, River Publishers Series, 2015, ISBN 9788793379015
4. Tarek Sobh, and Khaled Elleithy, 2015 U.S. Higher Education Faculty Awards, Vol. 1, River Publishers Series, 2015, ISBN 9788793379008
5. Khaled Elleithy and Tarek Sobh, *New Trends in Networking, Computing, E-learning, Systems Sciences, and Engineering*, Springer 2015.
6. Tarek Sobh and Khaled Elleithy, *Innovations and Advances in Computing, Informatics, Systems Sciences, Networking and Engineering*, Springer, 2015.
7. Tarek Sobh and Khaled Elleithy, *Emerging Trends in Computing, Informatics, Systems Sciences, and Engineering*, Springer, 2013.
8. Khaled Elleithy and Tarek Sobh, *Innovations and Advances in Computer, Information, Systems Sciences, and Engineering*, Springer, 2013.
9. Tarek Sobh and Khaled Elleithy, *Innovations in Computing Sciences and Software Engineering*, Springer, November 2010.
10. Khaled Elleithy, Tarek Sobh, Maged Iskander, V Kapila, M.A. Karim, and Ausif Mahmood, *Technological Developments in Networking, Education and Automation*, July 2010.
11. Tarek Sobh, Khaled Elleithy, Ausif Mahmood, *Novel Algorithms and Techniques in Telecommunications and Networking*, Springer, March 2010.
12. Khaled Elleithy, *Advanced Techniques in Computing Sciences and Software Engineering*, Springer, March 2010.
13. Khaled Elleithy, *Innovations in Systems, Computing Sciences and Software Engineering*, Springer, August 2008.
14. Tarek Sobh, Khaled Elleithy, Ausif Mahmood and Mohamed Karim, *Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics*, Springer, August 2008.
15. Khaled Elleithy, *Advances and Innovations in Systems, Computing Sciences and Software Engineering*, Springer, June 2007.
16. Tarek Sobh, Khaled Elleithy, Ausif Mahmood and Mohamed Karim, *Innovative Algorithms and Techniques in Automation, Industrial Electronics and Telecommunications*, Springer, June 2007.
17. Khaled Elleithy, Tarek Sobh, Ausif Mahmood, Maged Iskander and Mohammad Karim, *Advances in Computer, Information, and Systems Sciences, and Engineering*, Springer, September 2006.
18. Tarek Sobh and Khaled Elleithy *Advances in Systems, Computing Sciences and Software Engineering: Proceedings of SCSS 2005*, Springer, September 2006.
19. Tarek Sobh, Khaled Elleithy and Aziza Zaki, *Proceedings of the International Conference on Industrial Electronics, Technology and Automation (IETA 2001)*, IEEE Industrial Electronics Society, December 2001.

## Book Chapters

1. Razan Abdulhammed, Miad Faezipour and Khaled Elleithy, "Intrusion Detection System in Self-Organizing Networks: A Survey", accepted in CRC Series in Security, Privacy and Trust - Taylor & Francis, Intrusion Detection and Prevention for Mobile Ecosystems, Nov. 2016.
2. Islam Ashry, Ali Elrashidi Khaled Elleithy, "Variable Delay Optical Buffer Using Tunable Fiber Bragg Grating," *New Trends in Networking, Computing, Informatics, Systems Sciences, and Engineering*, Springer 2014.
3. Ali Elrashidi, Islam Ashry Khaled Elleithy Hassan Bajwa, "The Effect of Mutual Coupling on a Microstrip Printed Antenna Array Operates at 5 GHz Using Three Different Substrates," *New Trends in Networking, Computing, Informatics, Systems Sciences, and Engineering*, Springer 2014.
4. Ammar Odeh, Khaled Elleithy, Miad Faezipour Eman Abdelfattah, "Novel Steganography over HTML Code," *New Trends in Networking, Computing, Informatics, Systems Sciences, and Engineering*, Springer 2014.
5. Abdul Razaque and Khaled Elleithy, "Detection of Attacks for Restoring Privacy of Users to Improve Mobile Collaborative Learning (MCL) Over Heterogeneous Network," *Communications in Computer and Information Science*, Springer, Vol. 294, 2012, pp 201-216.
6. Abdul Razaque and Khaled Elleithy, "Ambient Intelligence Paradigm to support pedagogical activities over wireless sensor networks," *Ubiquitous Computing and Ambient Intelligence (UCAmI)*, Springer, 2012.
7. Abdul Razaque, Aziz Alotaibi, Khaled Elleithy "Location Based Overlapped Mobility Aware network Model," *Innovations and Advances in Computer, Information, Systems Sciences, and Engineering*, Springer, September 2012.
8. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "The Use of Orthogonal Frequency Code Division (OFCD) Multiplexing in Wireless Mesh Network (WMN)," *Fourth-Generation (4G) Wireless Networks: Applications and Innovations*, pp. 565-581, 2010.
9. Syed S. Rizvi, Majid A. Jafri, and Khaled Elleithy, "A Novel Optimization of the Distance Source Routing (DSR) Protocol for the Mobile Ad Hoc Networks (MANET)," *Novel Algorithms and Techniques in Telecommunications and Networking*, Springer, pp. 269 – 274, 2010.
10. Aasia Riasat, Syed S. Rizvi, Khaled Elleithy, Farheen Zehara, and Faraz Arain, "The Role of System Dynamics in Learning Environments," *Advances in Automation, Industrial Electronics and Telecommunications*, Springer, June 2008
11. Syed S. Rizvi, Khaled Elleithy, Khushboo Patel, and Chaitali Patel, "Use of Self-Adaptive Methodology in Wireless Sensor Networks for Reducing the Energy Consumption," *Advances in Automation, Industrial Electronics and Telecommunications*, Springer, June 2008
12. Syed S. Rizvi, Aasia Riasat, Muhammad S. Rashid, and Khaled Elleithy, "Bandwidth Problem in High Performance Packet Switching Network," *Innovations in Systems, Computing Sciences and Software Engineering*, Springer, June 2008.
13. Ajay Shrestha, Khaled Elleithy, and Syed S. Rizvi, "Investigating the effects of Encoder Schemes, WFQ & SAD on VoIP QoS," *Advances in Automation, Industrial Electronics and Telecommunications*, Springer, June 2008.
14. Aasia Riasat, Syed S. Rizvi, Khaled Elleithy, Faraz Arain, Rizwan M. Qureshi, "Dynamic Semantics of the Web: Useful Toll for the New Generation Agent-Based Software," *Advances in Automation, Industrial Electronics and Telecommunications*, Springer, June 2008.
15. Khurram M. Rajput, Khaled Elleithy, and Syed S. Rizvi, "A Novel Approach for Creating Consistent Trust and Cooperation (CTC) among Mobile Nodes of Ad Hoc Network," *Advances in Automation, Industrial Electronics and Telecommunications*, Springer, June 2008.
16. Syed S. Rizvi, K. M. Elleithy, Aasia Riasat, "Minimizing the Null Message Exchange in Conservative Distributed Simulation," Book Chapter, *Innovative Algorithms and Techniques in Automation, Industrial Electronics and Telecommunications*, Springer, June 2007.
17. K. M. Elleithy and I. Rimawi, "Design, Analysis and Implementation of a Cyber Vote System." Book Chapter, *Advances in Computer, Information, and Systems Sciences, and Engineering: Proceedings of IETA 2005, TeNe 2005 and EIAE 2005*, Springer, September 2006.

## Journal Publications

1. Reem Mahjoub and Khaled Elleithy, "Fault Tolerance Model for Efficient Actor Recovery Paradigm in WSN," *International Journal of Interdisciplinary Telecommunications and Networking (IJITN)*, Vol. 11, No. 1, January 2019, pp. 1- 16.
2. Majid R Alshammari and Khaled Elleithy, "Efficient and Secure Key Distribution Protocol for Wireless Sensor Networks," *Sensors*, Vol. 18, No. 10, October 2018, pp. 1-25.
3. Ibrahim Alkore Alshalabi, Samir E Hamada, Ioana Badara and Saeid Moslehpour, "Automated Adaptive Mobile Learning System using Shortest Path Algorithm and Learning Style," *International Journal of Interactive Mobile Technologies (iJIM)*, Vol. 12, Num. 5, October 2018, pp. 1-24.
4. Wafa Elmannai and Khaled Elleithy, "A Highly Accurate and Reliable Data Fusion Framework for Guiding the Visually Impaired," *IEEE Access Journal*, Vol. 6, July 2018, pp. 33029 - 33054.
5. Remah A. Alshinina and Khaled Elleithy, "A Highly Accurate Deep Learning Based Approach for Developing Wireless Sensor Network Middleware," *IEEE Access Journal*, Vol. 6, July 2018, pp. 29885 - 29898.
6. Jasem Almotiri, Khaled Elleithy and Abdelrahman Elleithy, "A Multi-Anatomical Retinal Structure Segmentation System for Automatic Eye Screening Using Morphological Adaptive Fuzzy Thresholding," *IEEE Journal of Translational Engineering in Health and Medicine*, Vol. 6, May 2018, pp. 1-23.
7. Jasem Almotiri, Khaled Elleithy and Abdelrahman Elleithy, "Retinal Vessels Segmentation Techniques and Algorithms: A Survey," *Applied Sciences*, 8 (2), January 2018, pp. 155-185.
8. Sumaya Abusaleh, Ausif Mahmood, Khaled Elleithy, "The Art of Reading Explosion Phenomena: Science and Algorithms," *IEEE Access Journal*, Vol. 6, December 2017, pp. 3280 – 3299.
9. Muneer Alshowkan and Khaled Elleithy, "Deterministic and Efficient Quantum Key Distribution Using Entanglement Parity Bits and Ancillary Qubits," *IEEE Access Journal*, Vol. 5, December 2017, pp. 25565 - 25575.
10. Abdulbast Abushgra and Khaled Elleithy, "A Shared Secret Key Initiated by EPR Authentication and Qubit Transmission Channels," *IEEE Access Journal*, Vol. 5, September 2017, pp. 17753 - 17763.
11. Ramadhan Mstafa, Khaled Elleithy and Eman Abdelfattah, "A Robust and Secure Video Steganography Method in DWT-DCT Domains Based on Multiple Object Tracking and ECC," *IEEE Access Journal*, Vol. 5, April 2017, pp. 5354 - 5365.
12. Reem Mahjoub and Khaled Elleithy, "Efficient Actor Recovery Paradigm for Wireless Sensor and Actor Networks," *Sensors*, Vol. 17, No. 4, April 2017, pp. 1-30.
13. Sumaya Abusaleh, Ausif Mahmood, Khaled Elleithy and Sarosh Patel, "A Novel Vision-Based Classification System for Explosion Phenomena," *Journal of Imaging*, Vol. 3, No. 2, April 2017, pp. 2-18.
14. Samir Hamada, Ibrahim Alkore, Khaled Elleithy, Ioana Badara, and Saeid Moslehpour, "Updating Student Profiles in Adaptive Mobile Learning using ASP.net MVC, dotNetRDF, Turtle, and the Semantic Web." *International Journal of Interactive Mobile Technologies (iJIM)*, Vol. 11, Num. 1, April 2017, pp. 16-38.
15. Abrar Alajlan, Khaled Elleithy, Marwah Almasri and Tarek Sobh, "An Optimal and Energy Efficient Multi-Sensor Collision-Free Path Planning Algorithm for a Mobile Robot in Dynamic Environments," *Robotics*, Vol. 6, No. 2, March 2017, pp. 1-18.
16. Wafa Elmannai and Khaled Elleithy, "Sensor-Based Assistive Devices for Visually-Impaired People: Current Status, Challenges, and Future Directions," *Sensors*, Vol. 17, No. 3, March 2017, pp. 1-42.
17. Remah Alshinina and Khaled Elleithy, "Performance and Challenges of Service-Oriented Architecture for Wireless Sensor Networks," *Sensors*, Vol. 17, No. 3, March 2017, pp. 1-39.
18. Ramadhan Mstafa and Khaled Elleithy, "Compressed and raw video steganography techniques: a comprehensive survey and analysis," *Multimedia Tools and Applications*, Springer, November 2016, pp. 1-38.
19. Bandar Alotaibi and Khaled Elleithy, "Rogue Access Point Detection: Taxonomy, Challenges, and Future Directions," *Wireless Personal Communications*, Springer, October 2016, pp. 5021- 5028.

20. Adwan Alanazi and Khaled Elleithy, "An Optimized Hidden Node Detection Paradigm for Improving the Coverage and Network Efficiency in Wireless Multimedia Sensor Networks," *Sensors*, Vol. 16, No. 9, September 2016, pp. 1-19.
21. Abdulbast Abushgra and Khaled Elleithy, "Simultaneous Initiating EPR and Quantum Channel by Quantum Key Distribution Protocol," *Global Journals Inc.*, Vol.16, Issue 5, July2016, pp. 1-5.
22. Marwah Almasri, Abrar Alajlan, and Khaled Elleithy, "Trajectory Planning and Collision Avoidance Algorithm for Mobile Robotics System," *IEEE Sensors Journal*, Vol. 16, June 2016, pp. 5021- 5028.
23. Laiali Almazaydeh, Khaled Elleithy, and Maid Faezipour, "A highly Reliable and Fully Automated Classification System for Sleep Apnea Detection", *International Journal of Intelligent Systems and Applications in Engineering*, Vol. 4, No. 3, 2016, pp. 66-70.
24. Laiali Almazaydeh, Khaled Elleithy, Maid Faezipour, and H. Ocbagabir, "SVM-Based Sleep Apnea Identification Using Optimal RR-Interval Features of the ECG Signal", *International Journal of Intelligent Systems and Applications in Engineering*, Vol. 4, No. 1, 2016, pp. 1-4.
25. Bandar Alotaibi and Khaled Elleithy, "A New MAC Address Spoofing Detection Technique Based on Random Forests," *Sensors*, vol. 16, February 2016, pp. 1-14.
26. Marwah Almasri, Khaled Elleithy and Abrar Alajlan, "Sensor Fusion Based Model for Collision Free Mobile Robot Navigation," *Sensors*, December 2015, pp. 1-24.
27. Naser Alajmi and Khaled Elleithy, "Multi-Layer Approach for Detection of Selective Forwarding Attacks," *Sensors*, November 2015, pp. 29332-29345.
28. Ramadhan J. Mstafa and Khaled Elleithy, "A video steganography algorithm based on Kanade-Lucas-Tomasi tracking algorithm and error correcting codes," *Multimedia Tools and Applications*, November 2015, pp. 1-23.
29. Mohamed Elhoseny, Khaled Elleithy, Hamdi Elminir, Xiaohui Yuan, and Alaa Riad, "Dynamic Clustering of Heterogeneous Wireless Sensor Networks using a Genetic Algorithm, Towards Balancing Energy Exhaustion," *International Journal of Scientific and Engineering Research*, Vol. 6, Issue8, August 2015, pp. 1243 - 1252.
30. Adwan Alanazi and Khaled Elleithy, "Real-Time QoS Routing Protocols in Wireless Multimedia Sensor Networks: Study and Analysis," *Sensors*, Special issue on Mobile Sensor Computing: Theory and Applications, vol 15, No. 8, September 2015, pp. 22209-22233.
31. Abdul Razaque and Khaled Elleithy, "Modular Energy Efficient and Robust Paradigms for Disaster-Recovery Process over Wireless Sensor Networks," *Sensors*, Vol. 15, No. 7, pp. 16162-16195, July 2015.
32. Mohammad Daneshzand, Jasem Almotiri, Rania Baashirah, and Khaled Elleithy, "Explaining Dopamine Deficiency of Spiking Neurons Based on Quantum Superposition Theory," *Neuro Quantology*, Vol 13, No. 2, 170 - 178, July 2015.
33. Abrar Alajlan and Khaled Elleithy, "Programming Models for Wireless Sensor Networks: Status, Taxonomy, Challenges, and Future Directions," *International Journal of Scientific & Engineering Research*, Vol. 6, Issue 5, May 2015.
34. Abdul Razaque and Khaled Elleithy "Nomenclature of Medium Access Control Protocols over Wireless Sensor Network," *IETE technical Review*, pp. 1 - 12, July 2015.
35. Majed Elbishti, Khaled Elleithy, Laiali Almazaydeh, "Object-Tracking in Wireless Sensor Networks with A novel Energy Efficient Algorithm," *International Journal of Scientific & Engineering Research*, Vol. 6, Issue 5, May 2015, pp. 1-5.
36. Marwah Almasri and Khaled Elleithy, "Data Fusion in WSNs: Architecture, Taxonomy, Evaluation of Techniques, and Challenges," *International Journal of Scientific & Engineering Research*, Vol. 6, Issue 4, pp. 1620 - 1636, April 2015.
37. Samuel Erskine, Khaled Elleithy, Linfeng Zhang, "Hierarchical Cluster-Based FIFO Asynchronous Data Transfer Technique for Reducing Congestion for Energy Efficient State Wireless Sensor Network-HAEEW," *International Journal of Scientific & Engineering Research*, Vol. 6, Issue 3, pp. 622 - 630, March 2015.
38. Naser Alajmi and Khaled Elleithy, "Comparative Analysis of Selective Forwarding Attacks over Wireless Sensor Networks," *International Journal of Computer Applications*, pp. 27-38, February 2015.
39. Abdul Razaque, Khaled M Elleithy, "Proportional Study of TCP Variants over Heterogeneous Wireless Networks," *International Journal of Computer Applications*, Vol. 108, No. 20, pp. 24 - 31, December 2014.

40. Abdul Razaque, Khaled M Elleithy, "Mobility-Aware Pheromone Termite (PT) Analytical Model to Support Robust Routing over Wireless Sensor Networks (WSNs)," *Engineering Structures*, accepted for publication.
41. Abdul Razaque and Khaled Elleithy, "Low Duty Cycle, Energy-Efficient and Mobility-Based Boarder Node - MAC Hybrid Protocol for Wireless Sensor Networks," *The Journal of Signal Processing Systems*, Springer, September 2014.
42. Abdul Razaque and Khaled Elleithy, "Robust Sink Failure Avoidance Protocol for Wireless Sensor Networks," *International Journal of Advanced Research*, September 2014.
43. Fatma Almajadub, Khaled Elleithy "Performance Advancement of Wireless Sensor Networks using Low Power Techniques and Efficient Placement of Nodes," *International Journal of Innovative Research in Advanced Engineering (IJIRAE)*, April 2014.
44. Muhammad Shoaib Khan, Khaled Elleithy, "Robust Heterogeneous Network to Support Multitasking," *International Journal of Computers and Technology*, Vol 6, No 4, 2014.
45. Abdul Razaque, Khaled M Elleithy, "Energy-efficient boarder node medium access control protocol for wireless sensor networks," *Sensors*, Vol 14, No. 3, pp. 5074-5117, January 2014.
46. Abdul Razaque and Khaled Elleithy, "Automatic Energy Saving (AES) Model to Boost Ubiquitous Wireless Sensor Networks," *International Journal of Computers and Technology*, Vol. 10, No. 5, pp. 1569-1579, 2013.
47. Ibrahim Alkore Alshalabi, Samir Hamada, Khaled Elleithy, "Research Learning Theories that Entail M-Learning Education Related to Computer Science and Engineering Courses," *International Journal of Engineering Sciences*, Vol 2. No. 3, pp. 88-95, March 2013.
48. Wafa Elmannai, Abdul Razaque, Khaled Elleithy, "Deployment of TCP University of Bridgeport (UB) to Control Law Enforcement Department over Wireless Mesh Network," *Journal of Communications and Computer Engineering*, Vol. 3, Issue 1, pp. 40-47, 2013.
49. Abdul Razaque and Khaled Elleithy, "Controlling Attacks of Rogue Dynamic Host Configuration Protocol (DHCP) to Improve Pedagogical Activities in Mobile Collaborative Learning (MCL) Environment," *International Journal of Communication and Computer Engineering*, Vol. 3, Issue 1, pp. 15-29, 2013.
50. Ziad Nossire, Khaled Elleithy, and Boraq Ammourah, "A New Improved Storage Model of Wireless Devices using the Cloud," *International Journal of Computer Networks & Communications(IJCNC)*, Vol. 5, No. 1, pp. 69 - 80, January 2013.
51. Abrar Alajlan, Benjamin Dasari, Ziad Nossire, Khaled Elleithy and Varun Pande, "Topology Management in Wireless Sensor Networks: Multi-State Algorithms," *International Journal of Wireless & Mobile Networks (IJWMN)* Vol. 4, No. 6, pp. 17-25, December 2012.
52. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Performance Analysis of a Microstrip Printed Antenna Conformed on Cylindrical Body at Resonance Frequency 4.6 GHz for TM01 Mode," *Procedia Computer Science*, Elsevier, Vol. 10, 2012, pp. 775-784.
53. Munther H. Abualkibash and Khaled Elleithy, "Cloud Computing: The Future of IT Industry," *International Journal of Computer Networks & Communications (IJCNC)*, Vol.3, No.4, pp. 1 -12, July 2012.
54. Abdul Razaque and Khaled Elleithy, "Discovery of Malicious Attacks to Improve Mobile Collaborative Learning (MCL)," *International Journal of Computer Networks & Communications*, Vol.4, No.4, pp. 21 - 40, July 2012.
55. Marwah Almasri, Khaled Elleithy, Abdul Razaque, "Analytical Study of Pre-Congestion Notification (PCN) Techniques," *International Journal of Computer Networks & Communications*, Vol.4, No.4, pp. 61 - 76, July 2012.
56. Wafa Elmannai, Abdul Razaque, Khaled Elleithy, "TCP-UB: A new Congestion Aware Transmission Control Protocol Variant," *International Journal of Computer Networks & Communications*, Vol.4, No.4, pp. 129 - 141, July 2012.
57. Khaled Elleithy, Abdul Razaque, "Fostering of innovative usability testing to develop mobile application for mobile collaborative learning (MCL)," *International Journal of Computer Science and Information Security (IJCSIS)*, Vol. 9, No.10, pp 8-16, Oct. 2011. *ICGST-AIML Journal*, Vol. 12, No. 1, July 2012.
58. Laiali Almazaydeh, Miad Faezipour, Khaled Elleithy, "A Neural Network System for Detection of Obstructive Sleep Apnea Through SpO2 Signal Features," *International Journal of Advanced Computer Science and Applications (IJACSA)*, Vol. 3, No.5, pp. 7 - 11, June 2012.

59. Delan Alsoufi, Khaled Elleithy, Tariq Abuzagheh and Ahmad Nassar, "Security in Wireless Sensor Networks - Improving the Leap Protocol, International Journal of Computer Science & Engineering Survey (IJCSSES) Vol.3, No.3, pp. 1 - 14, June 2012.
60. Ali Elrashedi, Khaled Elleithy, and Hassan Bajwa, "The Performance of a Cylindrical Microstrip Printed Antenna for TM<sub>10</sub> Mode Using Two Different Substrates at 5 GHz Range," International Journal of Materials Engineering, Accepted.
61. Ali Elrashedi, Khaled Elleithy, and Hassan Bajwa, "Mutual Coupling Coefficient of a Microstrip Printed Antenna Array Mounted on Cylindrical Body for TM<sub>10</sub> Mode at 5 GHz Range Using Three Different Substrate," International Journal of Networks and Communications, vol. 1, pp. 12-18, June 2012.
62. Ali Elrashedi, Khaled Elleithy, and Hassan Bajwa, "Coupling Analysis of Microstrip Printed Antenna Array at 5 GHz Conformed on a Cylindrical Body for TM<sub>01</sub> Mode," Science and Technology, Accepted.
63. Ali Elrashedi, Khaled Elleithy, and Hassan Bajwa, "Return Loss and Mutual Coupling Coefficient of a Microstrip Printed Antenna Array Conformed on a Cylindrical Body for TM<sub>01</sub> Mode," Electrical and Electronic Engineering, vol. 1, pp. 6-11, June 2012.
64. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Effect of Curvature on a Microstrip Printed Antenna Conformed on Cylindrical Body at Superhigh Frequencies," International Journal of Instrumentation Science, vol.1, pp. 1-7, June 2012.
65. Ammar Odeh and Khaled Elleithy, "Steganography in Arabic Text Using Zero Width and Kashidha Letters," International Journal of Computer Science & Information Technology (IJCSIT), Vol 4, No 3, pp. 1 - 11, June 2012.
66. Ali Elrashedi, Khaled Elleithy, and Hassan Bajwa, "The Effect of Curvature on the Return Loss and Mutual Coupling Coefficient of a Microstrip Printed Antenna Array Conformed on a Cylindrical Body for TM<sub>10</sub> Mode," International Journal of Electromagnetics and Applications, vol. 2, pp. 25-32, May 2012.
67. Abdul Razaque and Khaled Elleithy, "Multi-frame Signature-cum Anomaly-based Intrusion Detection Systems (MSAIDS) to Protect Privacy of Users over Mobile Collaborative Learning (MCL)," Journal of E Technology, Vol. 3, No. 2, May 2012.
68. Fadel Hussen, Khaled Elleithy, and Abdul Razaque, "Implementation of Fault Tolerance Algorithm to Restore Affected Nodes in Scheduling Clusters," International Journal of Computer Networks & Communications (IJCNC) Vol.4, No.1, January 2012.
69. Khaled Elleithy and Abdul Razaque, "Innovative usability testing to foster mobile applications to support collaborative learning environment (MCLE)".Journal of International Conference on Computer Science and Engineering (CSE-11) ICGST, 2012.
70. Abdul Razaque and Khaled Elleithy, "Restoring the privacy and confidentiality of users over Mobile collaborative learning (MCL) environment," IEEE Transaction, Vol 9, LTL-2011.
71. Abdul Razaque and Khaled Elleithy, "Interactive linguistic prototypes to foster pedagogical activities through mobile collaborative learning (MCL)"International Journal of Interactive Mobile Technologies (iJIM),"Vol 5, No 3, 2011.
72. Abdul Razaque, Khaled Elleithy, Qassim Bani Hani, "Implementing and testing of anchor point node hybrid network architecture for remote areas with simulation of TCP," IET Journal, Special Issue of Communication, 2011.
73. Ibrahim Alkore Alshalabi and Khaled Elleithy, "Effective M-Learning Design Strategies for Computer Science and Engineering Courses," International Journal of Mobile Network Communications & Telematics (IJMNCT) Vol.2, No.1, February 2012.
74. Ahmad Nassar, Motaz Mohammed, Ali Elrashidi and Khaled Elleithy, "Virtual Wireless and Mobile Communication Laboratory," Journal of Education, vol. 1, pp. 1-6, 2011.
75. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "The Fringing Field and Resonance Frequency of Cylindrical Microstrip Printed Antenna as a Function of Curvature," EURASIP International Journal of Wireless Communications and Networking, July 2011.
76. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Effect of Curvature on the Performance of a Microstrip Printed Antenna Conformed on Cylindrical Body Using Epsilon-10 Ceramic-Filled Teflon as a Substrate," American Journal of Materials Science, pp. 8-17, Nov. 2011.
77. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, " Input Impedance, VSWR and Return Loss of a Conformal Microstrip Printed Antenna for TM<sub>10</sub> mode Using Polymers as a Substrate Materials," American Journal of Polymer Science, pp. 18-29, Nov. 2011.

78. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Effect of Curvature on the Performance of Cylindrical Microstrip Printed Antenna for TM01 mode Using Two Different Substrates," *International Journal of Computer Science and Information Security (IJCSIS)*, Vol. 9, No.10, pp 8-16, Oct. 2011.
79. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Input Impedance, VSWR and Return Loss of a Conformal Microstrip Printed Antenna for TM01 mode Using Two Different Substrates," *International Journal of Networks and Communications*, pp. 1-9, Oct. 2011.
80. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Performance Analysis of a Microstrip Printed Antenna Conformed on a Cylindrical Body for TM10 mode Using Two Different Substrates," *Electrical and Electronic Engineering Journal*, pp. 25-32, Sep. 2011.
81. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "The Effect of Curvature on Resonance Frequency, Gain, Efficiency and Quality Factor of a Microstrip Printed Antenna Conformed on a Cylindrical Body for TM10 mode Using Different Substrates," *Science and Technology Journal*, pp. 1-8, Sep. 2011.
82. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Resonance Frequency, Gain, Efficiency and Quality Factor of a Microstrip Printed Antenna as a Function of Curvature for TM01 mode Using Different Substrates," *EURASIP Journal of Wireless Networking and Communications*, pp. 15-24, Aug. 2011.
83. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "The Performance of a Microstrip Printed Antenna Conformed on Cylindrical Body as a Function of Curvature at 4.6 GHz for TM01 Using RT/duroid-5880 PTFE as a Substrate," *International Journal of Electromagnetics and Applications*, pp. 58-67, Jul. 2011.
84. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Effect of Temperature on the Performance of a Cylindrical Microstrip Printed Antenna for TM01 Mode Using Different Substrates," *International Journal of Computer Networks & Communications (IJCNC)*, Jul. 2011.
85. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "The Performance of a Cylindrical Microstrip Printed Antenna for TM10 Mode as a Function of Temperature for Different Substrates," *International Journal of Next-Generation Networks (IJNGN)*, Jul. 2011.
86. T. Sobh, Khaled Elleithy, J. Lee, A. El-Elrashidi, J. Joy, and L. Manole, "Design and Implementation of Wireless Camera, Communication and Control Modules for a Transformable Unmanned Aerial Vehicle," *the Journal of Intelligent and Robotic Systems*, Springer, April 2011.
87. Khaled Elleithy and Varun Rao, "Femto Cells: Current Status and Future Directions," *International Journal of Next-Generation Networks (IJNGN)*, Vol. 3, No. 1, March 2011, pp. 1-9.
88. Manal Al- Al-bzoor and Khaled Elleithy, "WIMAX Basics from PHY Layer to Scheduling and Multicasting Approaches," *International Journal of Computer science and engineering Survey (IJCSSES)*, Vol. 2, No. 1, February 2011, pp. 1-17.
89. Thabet Mismar, Khaled Elleithy, and Saikat Ray, "Energy Efficient Military Mobile Base Station Placement," *International Journal of Wireless & Mobile Networks (IJWMN)*, Vol. 2, No. 4, November 2010.
90. Mohammed A. Abuhelaleh and Khaled Elleithy, "Security in Wireless Sensor Networks: Key Management Module in SOOAWSN," *International Journal of Network Security & Its Applications (IJNSA)*, Vol. 2, No. 4, October 2010.
91. Syed S. Rizvi, Aasia Riasat and Khaled Elleithy, "An Efficient Optimistic Time Management Algorithm for Discrete-Event Simulation System," *International Journal of Simulation Modeling*, Vol. 9, No. 3: September 2010, pp 117-130.
92. Syed S. Rizvi, Khaled Elleithy, Aasia Riasat and Min Song, "A Low-Complexity Optimum Multiuser Receiver for DS-CDMA Wireless Systems," *Journal of Communications*, Vol 5, No. 6, June 2010, pp. 455 – 466.
93. Anil Mathew, Nithin Chandrababu, Khaled Elleithy, and Syed Rizvi, "Interference of 802.11B WLAN and Bluetooth: Analysis and Performance Evaluation," *International Journal of Computer Networks (IJCN)*, Vol. 2, No. 3, May 2010.
94. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy, "Combining Private and Public Key Encryption Techniques for Providing Extreme Secure Environment for an Academic Institution Application," *International Journal of Network Security & Its Applications (IJNSA)-(AIRCC Publication)*, Vol.2, No.1, January 2010.
95. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy "Deterministic Formulization of End-to-End Delay for Multicast Systems" *International Journal of Computer Networks & Communications (IJCNC)*, Vol. 2, No. 1, January 2010.



96. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy "Quantification of Capacity and Transmission Delay for Mobile Ad Hoc Networks (MANET)" International Journal of Communications, Network and System Sciences, Vol. 3, No. 1, 2010.
97. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy, "Deterministic Formulization of End-to-End Delay and Bandwidth Efficiency for Multicast Systems," International Journal of Computer Networks (IJCN), Vol. 1, No. 1, December 2009.
98. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat "An Analytical Model for Approximating the Bandwidth Efficiency for Multicast Systems" MASAUM Journal of Computing, Vol. 1, Issue. 4, 2009. (Invited paper).
99. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat "A Quantitative Analysis of Handover Time at MAC Layer for Wireless Mobile Networks" International Journal of Wireless & Mobile Networks, IJWMN, Vol. 1, No. 3, pp. 21 - 28, 2009.
100. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat "Deterministic Formulization of SNR for Wireless Multiuser DS-CDMA Networks" International Journal of Computer Science and Information Security (IJCSIS). Vol. 3, No. 1, pp. 25-34, 2009.
101. Syed S. Rizvi and Khaled Elleithy "A New Scheme for Minimizing Malicious Behavior of Mobile Nodes in Mobile Ad Hoc Networks. International Journal of Computer Science and Information Security (IJCSIS)" Vol. 3, No. 1, pp. 45-54, 2009.
102. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy "A Low-Complexity Algorithm for Improving Computing Power of Multiuser Receivers for Next Generation Wireless Systems" International Journal of Computer Science and Network Security (IJCSNS). Vol. 9, No. 6, pp. 1-10, 2009.
103. Mohammed A. Abuhelaleh, Khaled Elleithy, Thabet M. Mismar, "Clustered Hierarchy in Sensor Networks: Performance and Security," International journal of Network Security & Its Applications, IJNSA, Vol.1, No.2, PP. 51-62, 2009.
104. Sobh, Khaled Elleithy and S. Patel, "Reverse Engineering of VLSI Chips: A Roadmap," The Journal of Engineering and Applied Sciences, Vol. 2, No. 2, pp 290-298, 2007.
105. K. M. Elleithy, D. Blagovic, W. Cheng, and P. Sideleau "Denial of Service Attack Techniques: Analysis, Implementation and Comparison," Journal of Systemics, Cybernetics and Informatics, Vol. 3, No. 1, PP. 66-71, 2006.
106. K. M. Elleithy, "Formal Verification of Systems On Chip: Current & Future Directions," System on Chip for Realtime Systems, W. Badawy and G. Jullian, editors, Kluwewr Academic Publishing, Fall 2003.
107. Khaled Elleithy and Tarek Sobh, "A Framework for Reverse Engineering VLSI Chips," In Intelligent Systems and Signal Processing, Elsevier Science, PP. 383-388, 2003.
108. K. M. Elleithy, A. Sing, T. Narayanan, N. Bhalla, L. Al-Rashid, BlueDart: Radition Data Collection and Warning System," Journal of Internet Technology, Vol. 4, No.3, PP. 171-178, July 2003.
109. K. M. Elleithy, H. Ha, S. Karki, A. Kaulgud, U. Rana, "An Optimal Algorithm to the IMT2000 Power Control," Journal of Internet Technology, Vol. 4, No. 3, PP. 147-152, July 2003.
110. K. M. Elleithy and Rama C. Reddy, "Comparison of Firewalls Security and Performance Issues," Journal of Internet Technology, PP. 175-183, April 2002.
111. Sobh and Khaled Elleithy, "Internet-Based Robotics and Automation." In the International Journal of Robotics & Automation, special issue on Web-based Automation, Vol. 17, No. 3, 103-105, 2002.
112. K. M. Elleithy and A. Komaralingam, "Automation and Management of Mobile Content," International Journal of Robotics and Automation, November 2002.
113. K. M. Elleithy, and A. A. Amin, "Mapping CIRCAL based Algorithms to Event Logic," The Journal of University of Kuwait, Topical issue No. 1, pp. 27-42, Dec. 1996.
114. S. M. Sait, K. M. Elleithy, and M. Hassan, "Formal Synthesis of VLSI Layouts from Algorithmic Specifications," Computer Systems Science and Engineering, vol. 11, No. 2, pp. 67-81, March 1996.
115. K. M. Elleithy, and M. A. Bayoumi, "A Systolic Architecture for Modulo Multiplication," IEEE Transactions on Circuits and Systems-II: Analog and Digital Signal Processing, vol. 42, no. 11, pp. 725-729, Nov. 1995.
116. K. M. Elleithy and M. A. Bayoumi, "Fast and Flexible Architectures for RNS Arithmetic Decoding," IEEE Transactions on Circuits and Systems-II: Analog and Digital Signal Processing, vol. 39, no. 4, pp. 226-235, April 1992.

117. K. M. Elleithy, M. A. Bayoumi and L. M. Delcambre, "VLSI Implementation of a Systolic Database Machine for Relational Algebra and Hashing," *Integration the VLSI Journal*, No. 11, pp. 169-190, Nov. 1991.
118. K. M. Elleithy and M. A. Bayoumi, "A  $\Theta(1)$  Algorithm for modulo Addition," *IEEE Transactions on Circuits and Systems*, vol. 37, no. 5, pp. 628-631, May 1990.
119. N. El-Derini, K. M. Elleithy, and E. G. Mohammed, "Implementation and Analysis of a Bilinear Multiplier," *Faculty of Engineering Research Journal, Alexandria University*, Vol. 12, 1983.

### Conference Publications

1. Peiqiao Wu, Ruoqi Wei, and Khaled Elleithy "A Novel Fault Self-Detectable Universal Quantum Reversible Circuits Array Design, 2018 IEEE 9<sup>th</sup> Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON), Manhattan, NY, November 9-11.
2. Thomas Arciuolo, Muhammad Wasimuddin and Sushant Singh , and Khaled M. Elleithy, "Iris Print Biometric Identification Using Perceptual Image Hashing Algorithms," 2018 IEEE 9<sup>th</sup> Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON), Manhattan, NY, November 9-11.
3. Thomas Arciuolo and Muhammad Wasimuddin, Sushant Singh, Khaled Elleithy, "A Novel Reversible Four Bit One's Complement Quantum Gate (OCQG4B)," 2018 IEEE 9<sup>th</sup> Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON), Manhattan, NY, November 9-11.
4. Jasem Almotiri, Khaled Elleithy and Abdelrahman Elleithy, "An Automated Region-Of-Interest Segmentation for Optic Disc Extraction," *IEEE Long Island Systems, Applications and Technology LISAT*, Long Island, NY, May 2018. (Best Paper Award)
5. Remah A. Alshinina and Khaled Elleithy, "Efficient Unsupervised Learning to Secure Communication for Wireless Sensor Network Middleware," *Wireless Telecommunications Symposium*, Phoenix, AZ, April 18-20, 2018.
6. Remah A. Alshinina and Khaled Elleithy, "A Highly Accurate Machine Learning Approach for Developing Wireless Sensor Network Middleware," *Wireless Telecommunications Symposium*, Phoenix, AZ, April 18-20, 2018.
7. Reem Mahjoub and Khaled Elleithy, "Fault Tolerance Model for Efficient Actor Recovery Paradigm in WSN, *Wireless Telecommunications Symposium*, Phoenix, AZ, April 18-20, 2018.
8. Wafa Elmannai and Khaled Elleithy, "A novel obstacle avoidance system for guiding the visually impaired through the use of fuzzy control logic," *15th IEEE Annual Consumer Communications & Networking Conference (CCNC)*, January 12-15, 2018, pp. 1-9.
9. Majid Alshammari and Khaled M Elleithy, "Efficient key distribution protocol for wireless sensor networks," *IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC)*, January 10 – 12, 2018, pp. 980 – 985.
10. David Pasko, Michael Mrazik, and Khaled Elleithy, Battery independence: "Reducing the dependence on batteries in wearable computing through energy harvesting techniques," *2017 IEEE 8th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON)*, Manhattan, NY, 19-21 Oct. 2017, pp. 37 - 46.
11. Zakareya Lasefr, Sai Shiva V N R Ayyalasomayajula, and Khaled Elleithy, "An efficient automated technique for epilepsy seizure detection using EEG signals," *2017 IEEE 8th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON)*, Manhattan, NY, 19-21 Oct. 2017, pp. 76-82.
12. Zakareya Lasefr, Ramasani Rakesh Reddy, Khaled Elleithy, "Smart phone application development for monitoring epilepsy seizure detection based on EEG signal classification," *2017 IEEE 8th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON)*, Manhattan, NY, 19-21 Oct. 2017, pp. 83 - 87.

13. Zakareya Lasefr, Sai Shiva V N R Ayyalasomayajula, and Khaled Elleithy, "Epilepsy seizure detection using EEG signals," 2017 IEEE 8th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON), Manhattan, NY, 19-21 Oct. 2017, pp. 162 – 167.
14. Jasem Almotiri, Khaled Elleithy and Abdelrahman Elleithy, "Comparison of autoencoder and Principal Component Analysis followed by neural network for e-learning using handwritten recognition," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2017.
15. Susrutha Babu, Razan Abdulhammed, Khaled Elleithy and Suparshya Babu, "Blind Digital Signature schemes with four particle entanglement states," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2017.
16. Ramadhan J. Mstafa, Khaled Elleithy and Eman Abdelfattah, "Video steganography techniques: Taxonomy, challenges, and future directions," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2017.
17. Razan Abdulhammed, Miad Faezipour and Khaled Elleithy, "Malicious behavior monitoring of embedded medical devices," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2017.
18. Muneer Alshowkan and Khaled Elleithy, "Entanglement measurement-device-independent Quantum Key Distribution," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2017.
19. Susrutha Babu Sukhavasi, Suparshya Babu Sukhavasi, Khaled Elleithy and Abdelrahman Elleithy, "Analysis and implementation of proficient Rijndael algorithm with optimized computation," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2017.
20. Abdulbast A. Abushgra and Khaled Elleithy, "QKD protocol based on entangled states by trusted third party," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2017.
21. Reem Mahjoub and Khaled Elleithy, "Wireless Sensor and Actor Network Applications, Advantages, Direction, and Challenges," Wireless Telecommunications Symposium (WTS), Chicago, April 26 – 28, 2017.
22. Reem Mahjoub and Khaled Elleithy, "Low Latency Actor Recovery Mechanism for Wireless Sensor and Actor Networks," Wireless Telecommunications Symposium (WTS), Chicago, April 26 – 28, 2017.
23. Ramadhan Mstafa and Khaled Elleithy, "A Novel Video Steganography Algorithm in DCT Domain Based on Hamming and BCH Codes," 37<sup>th</sup> IEEE Sarnoff Symposium, September 2016.
24. A.V.N.R. Sai Shiva, Khaled Elleithy, and Eman Abdelfattah, "Improved Monostatic Pulse Radar design using Ultra Wide Band for range estimation," 2016 Annual Connecticut Conference on Industrial Electronics, Technology and Automation (CT-IETA) October 2016, pp. 74 – 80.
25. Muneer Alshowkan and Khaled Elleithy, "Quantum Entanglement Distribution for Secret Key Establishment in Metropolitan Optical Networks," 11th IEEE International Conference on Networking, Architecture, and Storage (NAS 2016), Long Beach, CA, August 9-10, 2016, pp. 1-8.
26. Muneer Alshowkan and Khaled Elleithy, "Quantum Mutual Authentication Scheme Based on Bell State Measurement," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
27. Marwah Almasri, Khaled Elleithy and Abrar Alajlan, "Development of Efficient Obstacle Avoidance and Line Following Mobile Robot with the Integration of Fuzzy Logic System in Static and Dynamic Environments," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
28. Abdalraouf Hassan, Wesam Batarafi, and Khaled Elleithy, "Approaching Secure Protocol from Quantum Perspective," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
29. Abdulbast Abushgra and Khaled Elleithy, "QKDP's Comparison Based upon Quantum Cryptography Rules," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
30. Samir Hamada, Ibrahim Alkore Alshalabi, Khaled Elleithy, Joanna Badara, "Automated Adaptive Mobile Learning system using the Semantic WEB," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
31. Razan Abdulhameed, Miad Faezipour, and Khaled Elleithy, "Network Intrusion Detection Using Hardware Techniques: A Review," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.

32. Ramadhan Mstafa and Khaled Elleithy, "A DCT-based Robust Video Steganographic Method Using BCH Error Correcting Codes," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
33. Bandar Alotaibi and Khaled Elleithy, "A Majority Voting Technique for Wireless Intrusion Detection Systems," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
34. Adwan Alanazi and Khaled Elleithy "Energy Efficient Hidden Node Detection for Improving Quality of Service in Wireless Multimedia Sensor Networks," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016.
35. Naser Alajmi and Khaled Elleithy, "A New Approach for Detecting and Monitoring Selective Forwarding Attack in Wireless Sensor Networks," IEEE Long Island Systems, Applications and Technology LISAT, Long Island, NY, April 2016. (Best Paper Award)
36. Adwan Alanazi and Khaled Elleithy, "Optimized Node Selection Process for quality of service provisioning over wireless multimedia sensor networks," 2016 Second International Conference on Mobile and Secure Services (MobiSecServ), Gainesville, FL, February 26-27, 2016.
37. Ramadhan J. Mstafa and Khaled Elleithy, "A New Video Steganography Algorithm Based on the Multiple Object Tracking and Hamming Codes," 14th IEEE International Conference on Machine Learning and Applications (IEEE ICMLA 2015), Miami, 9-11 December 2015.
38. Mohamed Ben Haj Frej and Khaled Elleithy, "Secure Data Aggregation Model (SDAM) in Wireless Sensor Networks," 14th IEEE International Conference on Machine Learning and Applications (IEEE ICMLA 2015), Miami, 9 – 11 December 2015.
39. Adwan Alanazi and Elleithy Khaled, "Buffer-Overflow and Noise-Handling Model: Guaranteeing Quality of Service Routing for Wireless Multimedia Sensor Networks," The International Conference on Engineering Technologies & Entrepreneurship 2015, Kuala Lumpur, Malaysia, 16-18 November 2015.
40. Naser Alajmi and Khaled Elleithy, "A Multi-Layer Framework for Detection Selective Forwarding Attacks in WSNs," The International Conference on Engineering Technologies & Entrepreneurship 2015, Kuala Lumpur, Malaysia, 16-18 November 2015.
41. Mohammad Daneshzand, Devon Thomas, Khaled Elleithy, and Miad Faezipour "An Energy Efficient Wireless Sensor Network based on Human Neurons Communication," IEEE International Conference on Multisensor Fusion and Integration, At San Diego, CA, 14-16 September 2015.
42. Abrar M. Alajlan, Marwah M. Almasri, Khaled Elleithy, "Multi-Sensor Based Collision Avoidance Algorithm for Mobile Robot," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015. (Best Paper Award)
43. Rowida Alharbi, Khaled Elleithy, Alaa Alharbi, and Wafa Elmannai, "Secure Cloud WLAN using Dynamic Placement and Migration with a Cloud Name Resolution Protocol," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
44. Ammar Odeh, Khaled Elleithy, Miad Faezipour, and Eman Abdelfattah "Highly Efficient Novel Text Steganography Algorithms," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
45. Abdulbast Abushgra and Khaled Elleithy "Initiated decoy States in Quantum Key Distribution Protocol by 3 ways channel," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
46. Abdulbast Abushgra and Khaled Elleithy, "Differentiations of QKD in Run Time Execution," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
47. Remah Alshinina and Khaled Elleithy, "An efficient Message Authentication and Source Privacy with Hidden Generator Point based on ECC," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
48. Anas Bushnag, Ali Alessa, Khaled Elleithy, and Minzhi Li, "Directed Diffusion based on weighted Grover's Quantum Algorithm (DWGQ)," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
49. Ramadhan J. Mstafa and Khaled Elleithy, "A Novel Video Steganography Algorithm in the Wavelet Domain Based on the KLT Tracking Algorithm and BCH Codes," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
50. Naser M. Alajmi and Khaled Elleithy, "Selective Forwarding Detection (SFD) in Wireless Sensor Networks," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.

51. Abdul Razaque and Khaled Elleithy, "Scalable and Energy Efficient Medium Access Control Protocol for Wireless Sensor Networks," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
52. Ibrahim Alkore Alshalabi, Samir Hamada, and Khaled Elleithy, "Automated Adaptive Learning using Smart Shortest Path Algorithm for Course Units," IEEE Long Island Systems, Applications and Technology LISAT2015, Long Island, NY, May 2015.
53. Abdulbast Abushgra and Khaled Elleithy, "Security of Quantum Key Distribution," 2015 ASEE Northeast Section Conference, Boston, May 1-2, 2015.
54. Alaa Alharbi, Khaled Elleithy, Rowida Alharbi, and Wafa Elmannai, "A Highly Portable Enhanced Password Protection Environment," 2015 ASEE Northeast Section Conference, Boston, May 1-2, 2015.
55. Ramadhan J. Mstafa and Khaled Elleithy, "An Efficient Video Steganography Algorithm Based on BCH Codes," 2015 ASEE Northeast Section Conference, Boston, May 1-2, 2015.
56. Naser M. Alajmi and Khaled Elleithy, "Selective Forwarding Attacks Detection in WSNs," 2015 ASEE Northeast Section Conference, Boston, May 1-2, 2015.
57. Ramadhan Mstafa and Khaled Elleithy, "A High Payload Video Steganography Algorithm in DWT Domain Based on BCH Codes (15, 11)," IEEE Wireless Telecommunications Symposium, New York, April 15-17, 2015.
58. Remah Alshinina, Khaled Elleithy, and Fatima Aljanobi, "A Highly Efficient and Secure Shared Key for Direct Communications Based on Quantum Channel," IEEE Wireless Telecommunications Symposium, New York, April 15-17, 2015.
59. Bandar Alotaibi and Khaled Elleithy. "A passive fingerprint technique to detect fake access points," Wireless telecommunications symposium (WTS), New York, April 15-17, 2015.
60. Bandar Alotaibi and Khaled Elleithy, "A Passive Fingerprint Technique to Detect Fake Access Points," IEEE Wireless Telecommunications Symposium, New York, April 15-17, 2015.
61. Fatma Almajadub and Khaled Elleithy, "Novel Location Tracking Energy Efficient Model for Robust Routing over Wireless Sensor Networks," IEEE Second International Conference on Artificial Intelligence, Modeling and Simulation, Madrid, Spain, November 18-20, 2014.
62. Reem Alattas and Khaled Elleithy, "Detecting and Minimizing Bad Posture using Postuino among Engineering Students," IEEE Second International Conference on Artificial Intelligence, Modeling and Simulation, Madrid, Spain, November 18-20, 2014.
63. Dema Aldhobaiban, Khaled Elleithy and Laiali Almazaydeh, "Prevention of Wormhole Attacks in Wireless Sensor Networks," IEEE Second International Conference on Artificial Intelligence, Modeling and Simulation, Madrid, Spain, November 18-20, 2014.
64. Majid Alshammari and Khaled Elleithy, "Secure and Efficient Key Management Protocol (SEKMP) for Wireless Sensor Networks," ANCS '14 Proceedings of the tenth ACM/IEEE symposium on Architectures for networking and communications systems, Los Angeles, CA, October 20 - 21, 2014.
65. Fatma Almajadub, Khaled Elleithy and Azza Shaer, "Advancing Wireless Sensor Networks Performance over Radio Trigger Wake-Up Capabilities," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
66. Tarik Eltaeib, Abdalraouf Hassan, and Khaled Elleithy, "Developing Network Security Protocol by using Key Pre-Distribution for Wireless Sensor Network," 27th International Conference on Computer Applications in Industry and Engineering (CAINE), At New Orleans, Louisiana, October 13-15, 2014.
67. Hassan Musafer, Razan Abdulhameed, Eman Abdelfattah, and Khaled Elleithy, "A Dynamic Clustering Algorithm for Object Tracking and Localization in WSN," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
68. Tarik Eltaeib, Abdalraouf Hassan, and Khaled Elleithy, "Developing Network Security Protocol using Key Pre-Distribution for Wireless Sensor Network," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
69. Wafa Elmannai and Khaled Elleithy, "Cost Analysis of 5th Generation Technology," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.

70. Abeer Alabbas and Khaled Elleithy, "Optimized Cooperative Localization Technique Based on Linear Intersection over Wireless Sensor Networks," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
71. Ammar Odeh, Khaled Elleithy, and Maid Faezipour, "Fast Real Hardware Engine for ZWC Text Steganography," ICAT'14 International Conference on Advanced Technology & Science, Antalya, Turkey, 12-15 August, 2014.
72. Varun Pande, Khaled Elleithy, Wafa Elmannai, Elham Geddeda, "A Quantum Fuzzy Logic for a Secure and Safe Wireless Network Communication," ICAT'14 International Conference on Advanced Technology & Science, Antalya, Turkey, 12-15 August, 2014.
73. Majed Elbishti, Khaled Elleithy, and Laiali Almazaydeh, "An Energy Efficient Algorithm for Object-Tracking Wireless Sensor Networks," ICAT'14 International Conference on Advanced Technology & Science, Antalya, Turkey, 12-15 August, 2014.
74. Majid Alshammari and Khaled Elleithy, "A New Wireless Quantum Key Distribution Protocol based on Authentication And Bases Center (AABC)," ICAT'14 International Conference on Advanced Technology & Science, Antalya, Turkey, 12-15 August, 2014.
75. Hamoud Alshammari, Khaled Elleithy, Khaled Almgren, and Saleh Albelwi, "Group Signature Entanglement in E-voting Systems," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
76. Muneer Alshowkan and Khaled Elleithy, "Secret Key Sharing Using Entanglement Swapping and Remote Preparation of Quantum State," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
77. Ammar Odeh, Khaled Elleithy, and Miad Faezipour, "A Reliable and Fast Real-Time Hardware Engine for Text Steganography," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
78. Mstafa Ramadhan and Khaled Elleithy, "A Highly Secure Video Steganography using Hamming Code (7, 4)," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
79. Zakariya Qawaqneh, Khaled Elleithy, Bandar Alotaibi and Munif Alotaibi, "A New Hardware Quantum-based Encryption Algorithm," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
80. Wafa Elmannai, Khaled Elleithy, Varun Pande and Elham Geddeda, "Quantum Security Using Property of a Quantum Wave Function," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
81. Abdulrahman Aldhaheeri, Khaled Elleithy, Majid Alshammari and Hussam Ghunaim, "A Novel Secure Quantum Key Distribution Algorithm," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
82. Ammar Odeh, Khaled Elleithy and Miad Faezipour, "Fast Real Hardware Engine for Multipoint Text Steganography," IEEE LISAT 2014 Long Island Systems, Applications and Technology, Long Island, New York, May 2, 2014.
83. Marwah Almasri and Khaled Elleithy, "Data Fusion Models in WSNs: Comparison and Analysis," Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
84. Wafa Elmannai, Khaled Elleithy, Ajay Shrestha, Mohamed Alshibli, Reem Alataas, "A new Algorithm Based on Discrete Fourier Transform to Improve the Lifetime of Underwater Wireless Sensor Networks Communications," Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
85. Richard Colon, Prabir Patra and Khaled Elleithy, "Random Word Retrieval for Automatic Story Generation," Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
86. Ammar Odeh, Khaled Elleithy and Miad Faezipour, "Steganography in Text by Using MS Word Symbols," Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
87. Syed S Rizvi, Khaled Elleithy and Mustafa Khan, "An Opportunistic Frequency Channels Selection Scheme for Interference Minimization," Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
88. Arafat Abu Malluh, Khaled M Elleithy, Zakariya Qawaqneh, Ramadhan Mstafa and Adwan Alanazi, "EM-SEP: An Efficient Modified Stable Election Protocol," Proceedings of the 2014 Zone

- 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
89. Arafat Abu Mallouh, Khaled M Elleithy, Ramadhan Mstafa and Adwan Alanazi, “A Highly Secure Quantum Communication Scheme for Blind Signature using Qubits and Qutrits,” Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
  90. Muneer Alshowkan and Khaled Elleithy, “Authenticated Multiparty Secret Key Sharing Using Quantum Entanglement Swapping,” Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
  91. Abdul Razaque and Khaled Elleithy, “Pheromone Termite (PT) Model to provide Robust Routing over WSNs,” Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
  92. Abrar Alajlan and Khaled Elleithy, “High-Level Abstractions in Wireless Sensor Networks: Status, Taxonomy, Challenges, and Future Directions,” Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
  93. Ali M Elrashidi, I. Ashry, A. Mahros, M. Alhaddad and Khaled Elleithy “Performance Analysis of WDM-PON FTTH Using Different Pulse Shapes at 10 Gbps and 20 Gbps,” Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
  94. Islam A Ashry, Ali Elrashidi, A. Mahros, M. Alhaddad, and Khaled Elleithy “Investigating the Performance of Apodized Fiber Bragg Gratings for Sensing Applications,” Proceedings of the 2014 Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, U.S.A, April 3 – 5, 2014.
  95. Ammar Odeh and Khaled Elleithy, “Fast Real Hardware Engine for Multipoint Text Steganography,” 2014 IEEE Long Island Systems, Applications and Technology Conference, Farmingdale State College - State University of New York, May 2, 2014.
  96. Abeer Alabass, Khaled Elleithy, and Abdul Razaque, “Dynamic Cluster Head Node Election (DCHNE) Model over Wireless Sensor Networks (WSNs),” 29th International Conference on Computers and Their Applications CATA-2014, Las Vegas, Nevada, March 24-26, 2014.
  97. Majed M. Albogame and Khaled Elleithy, “Enhancement Orthogonal Frequency Division Multiplexing (OFDM) in Wireless Communication Network by Using PTS (Partial Transmit Sequences) Technique,” 29th International Conference on Computers and Their Applications CATA-2014, Las Vegas, Nevada, March 24-26, 2014.
  98. Abdul Razaque and Khaled Elleithy, “Mobility-Aware Hybrid Medium Access Control Protocol for Wireless Sensor Network (WSN),” 2014 IEEE Sensors Applications Symposium, Queenstown, New Zealand, February 18-20, 2014.
  99. Abdul Razaque and Khaled Elleithy, “Least Distance Smart neighboring Search (LDSNS) over Wireless Sensor Networks,” European Modelling Symposium EMS2013, Manchester, United Kingdom, November 20 – 22, 2013.
  100. Haidar Al-Anbagi and Khaled Elleithy, “A New Proposed Peak-to-Average Power Reduction Parameter to Evaluate SLM and PTS as OFDM PAPR Reduction Schemes,” IEEE Student Conference on Research & Development (SCoReD), Putrajaya, Malaysia, December 16 – 17, 2013.
  101. Ammar Odeh, Khaled Elleithy, Miad Faezipour Eman Abdelfattah, “Novel Steganography over HTML Code,” 9th Annual International Joint Conferences on Computer, Information, Systems Sciences, & Engineering (CISSE'14), E-Conference, December 12-14, 2013.
  102. Muneer Alshowkan, Khaled Elleithy, Hussain AlHassan, “LS-LEACH: A New Secure and Energy Efficient Routing Protocol for Wireless Sensor Networks,” The 17th IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications, Delft, Netherlands, October 30 - November 1, 2013.
  103. Marwah Almasri, Khaled Elleithy, Anas Bushang, and Remah Alshinina, “TERP: A Trusted and Energy Efficient Routing Protocol for Wireless Sensor Networks,” The 17th IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications, Delft, Netherlands, October 30 - November 1, 2013.
  104. Laiali Almazaydeh, Khaled Elleithy, Miad Faezipour and Ahmad Abushakra, “Apnea Detection Based on Respiratory Signal Classification,” 3rd International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH-2013), Niagara Falls, Ontario, Canada, October 21-24, 2013.

105. Ammar Odeh, Marwah Almasri, Abrar Alajlan, "A New Quantum Algorithm to Sort N Elements Using Entanglement Sets Khaled Elleithy," 2013 Third International Conference on Innovative Computing Technology (INTECH), London, United Kingdom, August 29 – 31, 2013.
106. Ammar Odeh, Khaled Elleithy, Muneer Alshowkan, Eman Abdelfattah, "Quantum Key Distribution by Using Public Key Algorithm(RSA)," 2013 Third International Conference on Innovative Computing Technology (INTECH), London, United Kingdom, August 29 – 31, 2013.
107. Muneer Alshowkan, Khaled Elleithy, Ammar Odeh, Eman Abdelfattah, "A New Algorithm for Three-Party Quantum Key Distribution," 2013 Third International Conference on Innovative Computing Technology (INTECH), London, United Kingdom, August 29 – 31, 2013.
108. Wafa Elmannai, Varun Pande, Khaled Elleithy, "Quantum Observable," The International Conference on Machines Applications and Embedded Systems, June 22 - 24, 2013.
109. Varun Pande, Wafa Elmannai, Khaled Elleithy, "Mobile and Wi-Fi Geo location Using Google Latitude," 2013 International Conference on Mobile Applications and Security Management, Sousse, Tunisia, June 22 - 24, 2013.
110. Reem Alataas and Khaled Elleithy, "Quantum Computing Hardware Implementation Methods: A Survey over Categories," International Conference on Quantum Information Science and Engineering, Berlin, Germany, May 22-23, 2013.
111. Varun Pande, Wafa Elmannai, Khaled Elleithy, "Classification and Detection of Fire on WSN Using IMB400 Multimedia Sensor Board," 2013 IEEE Long Island Systems, Applications and Technology Conference, Farmingdale State College - State University of New York, May 3, 2013.
112. Ammar Odeh, Khaled Elleithy, and Miad Faezipour, "Steganography in Arabic Text Using Kashida Variation Algorithm (KVA)," 2013 IEEE Long Island Systems, Applications and Technology Conference, Farmingdale State College - State University of New York, May 3, 2013.
113. Reem Alataas and Khaled Elleithy, "Cloud Computing Algebra Homomorphic Encryption Scheme Based on Fermat's Little Theorem," The American Society of Engineering Education, ASEE 2013, March 14-16 2013, Northfield, VT, USA.
114. Ammar Odeh, Khaled Elleithy, and Miad Faezipour, "Text Steganography Using Language Remarks," The American Society of Engineering Education, ASEE 2013, March 14-16 2013, Northfield, VT, USA.
115. Laiali Almazaydeh, Khaled Elleithy and Miad Faezipour, "A Panoramic Study of Obstructive Sleep Apnea Detection Technologies," 28th International Conference on Computers and Their Applications, CATA-2013, March 4-6, 2013, Honolulu, Hawaii, USA.
116. Ammar Odeh and Khaled Elleithy, "Steganography in Text by Merge ZWC and Space Character," 28th International Conference on Computers and Their Applications, CATA-2013, March 4-6, 2013, Honolulu, Hawaii, USA.
117. Abdul Razaque and Khaled Elleithy, "Efficient Search (RES) for One-Hop Destination over Wireless Sensor Networks," 28th International Conference on Computers and Their Applications, CATA-2013, March 4-6, 2013, Honolulu, Hawaii, USA.
118. Laiali Almazaydeh, Khaled Elleithy, Varun Pande, Miad Faezipour, "OSA Screening Test at the Patient's Home," IEEE EMBS Conference on Micro and Nanotechnology in Medicine (IEEE MNMC 2012), Hawaii, USA, December 3-7, 2012.
119. Abdul Razaque and Khaled Elleithy, "Ambient Intelligence Paradigm to support pedagogical activities over wireless sensor networks," Ubiquitous Computing and Ambient Intelligence (UCAmI), Gasteiz, Spain, December 3-5, 2012.
120. Ammar Odeh and Khaled Elleithy, "Steganography in Arabic Text Using Full Diacritics Text," 25th International Conference on Computers and Their Applications in Industry and Engineering (CAINE-2012), New Orleans, Louisiana, USA, November 14 – 16, 2012.
121. Laiali Almazaydeh, Khaled Elleithy, Varun Pande and Miad Faezipour, "Development of OSA Event Detection Using Threshold Based Automatic Classification," 25th International Conference on Computers and Their Applications in Industry and Engineering (CAINE-2012), New Orleans, Louisiana, USA, November 14 – 16, 2012.
122. Varun Pande, Wafa Elmannai, Khaled Elleithy, "Optimized Algorithm for Fire Detection over WSN using Micaz Motes," 25th International Conference on Computers and Their Applications in Industry and Engineering (CAINE-2012), New Orleans, Louisiana, USA, November 14 – 16, 2012.
123. Wafa Elmannai, Khaled Elleithy, Varun Pande, "Efficient and Optical Character Recognition Algorithm for Signature Recognition," 25th International Conference on Computers and Their Applications in Industry and Engineering (CAINE-2012), New Orleans, Louisiana, USA, November 14 – 16, 2012.



124. Varun Pande, Khaled Elleithy, Laiali Almazaydeh, "Parallel Processing for Multi Face Detection and Recognition," 25th International Conference on Computers and Their Applications in Industry and Engineering (CAINE-2012), New Orleans, Louisiana, USA, November 14 – 16, 2012.
125. Laiali Almazaydeh, Khaled Elleithy, Miad Faezipour, Helen Ocbagabir, "SVM-Based Sleep Apnea Identification Using Optimal RR-Interval Features of ECG signal," IEEE Healthcare Technology Conference: Translational Engineering in Health & Medicine (IEEE HIC 2012), Houston, Texas, USA, November 7-9, 2012.
126. Laiali Almazaydeh, Khaled Elleithy, Miad Faezipour, "Obstructive Sleep Apnea Detection Using SVM-Based Classification of ECG Signal Features," 34th Annual International Conference of the IEEE Engineering in Medicine and Biology (IEEE EMBC'12), San Diego, California, USA, August 28 - September 1, 2012.
127. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Performance Analysis of a Microstrip Printed Antenna Conformed on Cylindrical Body at Resonance Frequency 4.6 GHz for TM01 Mode," The 9th International Conference on Mobile Web Information Systems, Niagara Falls, Ontario, Canada, August 27-29, 2012
128. Sumaya Abusaleh, Varun Pande, Khaled Elleithy, "Optimized Algorithm for Face Detection Integrating Different Illuminating Condition," The 2012 International Conference on Image Processing, Computer Vision, and Pattern Recognition (IPCV'12), Las Vegas, Nevada, USA, July 16-19, 2012.
129. Abdul Razaque and Khaled Elleithy, "Supportive framework and innovative mobile application to augment mobile collaborative learning (MCL) activities "In proceedings of IEEE International Conference on Education & E-Learning Innovations (ICEELI) July 1-3, 2012, Sousse, Tunisia.
130. Abdul Razaque and Khaled Elleithy, "Mobile Supported Content Server (MSCS) to improve Mobile learning activities "In proceedings of IEEE International Conference on Education & E-Learning Innovations (ICEELI) July 1-3, 2012, Sousse, Tunisia.
131. Laiali Almazaydeh, Khaled Elleithy, Miad Faezipour, "Detection of Obstructive Sleep Apnea Through ECG Signal Features," 2012 IEEE International Conference on Electro/Information Technology (IEEE eit2012), Indianapolis, Indiana, USA, May 6-8, 2012.
132. Ammar Odeh, Aladdin Alzubi, Qassim Bani Hani, Khaled Elleithy "Steganography by Multipoint Arabic Letters, 2012 IEEE Long Island Systems, Applications and Technology Conference, Farmingdale State College - State University of New York, May 4, 2012.
133. Abdul Razaque, Khaled Elleithy, "Restoring privacy of users to foster Mobile Collaborative learning (MCL)," ASEE Northeast Section Conference, University of Massachusetts Lowell, April 27th - 28th, 2012.
134. Wafa Elmannai, Khaled Elleithy and Abdul Razaque, "A High Performance and Efficient TCP Variant, ASEE Northeast Section Conference, University of Massachusetts Lowell, April 27th - 28th, 2012.
135. Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "A New Analytical Performance Model for a Microstrip Printed Antenna," ASEE Northeast Section Conference, University of Massachusetts Lowell, April 27th - 28th, 2012.
136. Ahmad Nassar, Motaz Mohammed, Ali M. Elrashidi and Khaled Elleithy, "Virtual Wireless and Mobile Communication Laboratory," ASEE Northeast Section Conference, University of Massachusetts Lowell, April 27th - 28th, 2012.
137. Abdul Razaque, Khaled Elleithy "Detection of Attacks for Restoring Privacy of Users to improve Mobile Collaborative Learning (MCL) Over Heterogeneous Network" IEEE Fourth international conference on networked digital technology (NDT-2012), UAE, April 24-26, 2012.
138. Ali Elrashidi, Abdelrahman Elleithy, Majed Albogame and Khaled Elleithy, "Underwater Wireless Sensor Network Communication Using Electromagnetic Waves at Resonance Frequency 2.4 GHz," 15th Communications and Networking Simulation (CNS'12) Symposium, Orlando, FL, USA, March 26 - 29, 2012.
139. Shalini Potham, Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "A Use of Matrix with GVT Computation in Optimistic Time Warp Algorithm for Parallel Simulation, 15th Communications and Networking Simulation (CNS'12) Symposium, Orlando, FL, USA, March 26 - 29, 2012.
140. Abdul Razaque and Khaled Elleithy, "Novel framework for Mobile Collaborative Learning (MCL) to substantiate Pedagogical activities, "Internet Technologies & Society 2011 (ITS 2011), 8-11 December 2011, Beijing, China.

141. Abdul Razaque and Khaled Elleithy, "Innovative mobile application to foster Mobile Collaborative Learning Environment (MCLE)," 10th International Information and Telecommunication Technologies Conference, Curitiba, Paraná State, Brazil, December 13-15, 2011.
142. Abdul Razaque, Nyembo Salama, Abhilasha Tibrewal, Enam ul Haq, and Khaled Elleithy, "Developing the Compiler to Upgrade Features of Object Oriented Programming (OO) C++," ASEE Northeast Section Conference, At University of Hartford, Connecticut (ASEE), September 28 – 30, 2011.
143. Abdul Razaque and Khaled Elleithy "Architected based Prototypes for Mobile Collaborative Learning to improve Pedagogical activities" Interactive collaborative learning (ICL), IEEE, Piešany, Slovakia, September 21 – 23, 2011.
144. Fathi Amsaad and Khaled Elleithy, "Authentication process of Mobile collaborative learning environment," Interactive collaborative learning (ICL), Piestany, Slovakia, September 21-23, 2011.
145. Fathi Amsaad, Abdul Razaque, Khaled Elleithy, Anas Abu Munshar, Almobark Ethashmi Alarbi Moustafa, "Innovative Framework for Mobile Collaborative learning (MCL) Environment," IADIS, E-learning, Italy, July, 2011.
146. Abdul Razaque, N. Salama, Enam ul Haq, Abhilasha Tibrewal, Khaled Elleithy, "Developing the Compiler to upgrade the features of Object Oriented Programming (OOP) C++," 2011 ASEE Northeast Section Conference, University of Hartford, Connecticut, April 29-30, 2011.
147. Abdul Razaque and Khaled Elleithy, "Design and Development of Hilological prototypes for Mobile Collaborative Learning (MCL)," 2011 ASEE Northeast Section Conference, University of Hartford, Connecticut, April 29-30, 2011.
148. Abdul Razaque, Khaled Elleithy, Fadel Hussen, Omar Etach, and Wafa Elmannai, "Novel Proactive Patch Peer Protocol to Support faster Delivery of Video-on-Demand," 2011 ASEE Northeast Section Conference, University of Hartford, Connecticut, April 29-30, 2011.
149. Wafa Elmannai, Abdul Razaque, and Khaled Elleithy "Simulation based Study of TCP Variants in Hybrid Network," 2011 ASEE Northeast Section Conference, University of Hartford, Connecticut, April 29-30, 2011.
150. Ali M Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Conformal Microstrip Printed Antenna," 2011 ASEE Northeast Section Conference, University of Hartford, Connecticut, April 29-30, 2011.
151. Mohammed Abuhelaleh and Khaled Elleithy, "SOOAWSN: A complete framework for Wireless Sensor Networks," 2011 ASEE Northeast Section Conference, University of Hartford, Connecticut, April 29-30, 2011.
152. Mohammed Abuhelaleh and Khaled Elleithy, "Security in Wireless Sensor Networks: Key Intrusion Detection Module in SOOAWSN," 14th Communications and Networking Simulation (CNS'11) Symposium, Boston, April 4 – 7, 2011.
153. Eugene Gerety and Khaled Elleithy, "Location-Based Security for ID Document and ID Card Enrollment Stations," 14th Communications and Networking Simulation (CNS'11) Symposium, Boston, April 4 – 7, 2011.
154. Syed Rizvi and Khaled Elleithy, "A Generic Optimized Time Management Algorithms (OTMA), Framework for Simulating Large-Scale Overlay Networks," 14th Communications and Networking Simulation (CNS'11) Symposium, Boston, April 4 – 7, 2011.
155. Anil Mathew, Nithin Chandrababu, Khaled Elleithy, and Syed S. Rizvi, "IEEE 802.11 & Bluetooth Interference: Simulation and Coexistence," 7th Annual Conference on Communication Networks and Services Research (CNSR2009), Moncton, New Brunswick, Canada, May 11 - 13, 2009.
156. Hemen Patel, Syed S. Rizvi, and Khaled Elleithy, "A New Approach to Avoid Deadlock in Parallel Discrete Event Simulation (PDES) System," "2009 ASEE Northeast Section Conference, University of Bridgeport, Connecticut (2009 NE ASEE), April 3-4, 2009.
157. Sarosh Patel, Khaled Elleithy, and Syed S. Rizvi, "Hierarchically Segmented Routing (HSR) Protocol for MANET," 6th International Conference on Information Technology: New Generations ITNG 2009, April 27-29, 2009, Las Vegas, Nevada, USA, 2009.
158. Syed S. Rizvi, Khaled Elleithy and Aasia Riasat, "An Efficient Optimistic Time Management Algorithms for Discrete-Event Simulation System," 6th International Conference on Information Technology: New Generations ITNG 2009, April 27-29, 2009, Las Vegas, Nevada, USA, 2009.
159. Syed S. Rizvi, Mustafa A. Khan, Aasia Riasat, and Khaled Elleithy, "Combining Private and Public Key Encryption Techniques for Providing Extreme Secure Environment for an Academic

- Institution Application,” 6th International Conference on Information Technology: New Generations ITNG 2009, April 27-29, 2009, Las Vegas, Nevada, USA, 2009.
160. Syed S. Rizvi, Mustafa Khan, Khaled Elleithy, and Aasia Riasat, “Formulization of SNR for Optimum Receiver in Synchronous DS-CDMA Systems,” 6th International Conference on Information Technology: New Generations ITNG 2009, April 27-29, 2009, Las Vegas, Nevada, USA, 2009.
  161. Syed S. Rizvi, Mustafa Khan, Khaled Elleithy, and Aasia Riasat, “Low-Complexity Algorithm for Improving the Computing Power of Multiuser Receivers for Next Generation Wireless Systems,” 6th International Conference on Information Technology: New Generations ITNG 2009, April 27-29, 2009, Las Vegas, Nevada, USA, 2009.
  162. Gowrilakshmi Ponuratinam, Bhumika Patel, Syed S. Rizvi, and Khaled Elleithy, “Improvement in the Spread Spectrum System in DSSS, FHSS, AND CDMA,” 2009 ASEE Northeast Section Conference, University of Bridgeport, Connecticut, April 3-4, 2009. (Best Poster Paper Award)
  163. Nilay Patel, Mayuresh Bhalekar, Pandya Nirav, Syed S. Rizvi, Khaled Elleithy, “Reducing Power Consumption in Sensor Network Using Sensor MAC Protocol,” 2009 ASEE Northeast Section Conference, University of Bridgeport, Connecticut, April 3-4, 2009.
  164. Heven Patel, Hardik Patel, Aditya Jagannath, Syed S. Rizvi, Khaled Elleithy, “A Novel Simulation Based Methodology for the Congestion Control in ATM Networks,” 2009 ASEE Northeast Section Conference, University of Bridgeport, Connecticut, April 3-4, 2009.
  165. Muhammad Imran, Asif Shaikh, Syed S. Rizvi, Khaled Elleithy, “Performance Analysis of Switches in High Speed LAN,” 2009 ASEE Northeast Section Conference, University of Bridgeport, Connecticut, April 3-4, 2009.
  166. Mohamed A. Abuhelaleh, Khaled Elleithy, and Thabet M. Mismar, “Routing in Sensor Networks: Performance and Security in Clustered Networks,” 2009 ASEE Northeast Section Conference, University of Bridgeport, Connecticut, April 3-4, 2009.
  167. Syed Rizvi, Bevin Thomas, Khaled Elleithy, and Aasia Riasat, “A New Technique of Switch & Feedback Job Scheduling Mechanism in a Distributed System,” 2009 Spring Simulation Multiconference (SpringSim'09), San Diego-Mission Valley; San Diego, CA, USA, March 22 - 27, 2009.
  168. Bevin Thomas, Syed S. Rizvi, Khaled Elleithy, “Reducing Null Messages Using Grouping and Status Retrieval for a Conservative Discrete-Event Simulation System,” 2009 Spring Simulation Multiconference (SpringSim'09), San Diego-Mission Valley; San Diego, CA, USA, March 22 - 27, 2009.
  169. Syed S. Rizvi, Hemen Patel, Khaled Elleithy, “Parallel and Distributed Algorithms and Implementations: Time Based Mutual Exclusion,” 2009 Spring Simulation Multiconference (SpringSim'09), San Diego-Mission Valley; San Diego, CA, USA, March 22 - 27, 2009.
  170. Syed Rizvi, Khaled Elleithy, and Aasia Riasat, “Analyzing SNR Performance of a Low-Complexity Wireless Multiuser Receiver for DS-CDMA Systems,” 2nd IEEE International Conference on Computer, Control & Communication (IEEE-IC4 2009), February 17-18, 2009, Karachi, Pakistan, 2009
  171. Syed Rizvi, Khaled Elleithy, and Aasia Riasat, “A Low Complexity Optimum Multi-user Receiver for Maximizing the BER Performance for DS-CDMA Systems,” 2nd IEEE International Conference on Computer, Control & Communication (IEEE-IC4 2009), February 17-18, 2009, Karachi, Pakistan, 2009
  172. Abdelrahman Elleithy, Syed S. Rizvi, and Khaled Elleithy, “Optimization and Job Scheduling in Heterogeneous Networks,” International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 08), December 5 - 13, 2008.
  173. Abdelrahman Elleithy, Syed S. Rizvi, and Khaled Elleithy, “Investigating the Effects of Trees and Butterfly Barriers on the Performance of Optimistic GVT Algorithm,” International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 08), December 5 - 13, 2008.
  174. Syed S. Rizvi, Majid A. Jafri, and Khaled Elleithy, “A Novel Optimization of the Distance Source Routing (DSR) Protocol for the Mobile Ad Hoc Networks (MANET),” International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 08), December 5 - 13, 2008.
  175. Mohamed A. Abuhelaleh, Khaled Elleithy, and Thabet M. Mismar “Modified LEACH – Energy Efficient Wireless Networks Communication,” International Joint Conferences on

- Computer, Information, and Systems Sciences, and Engineering (CIS2E 08), December 5 - 13, 2008.
176. Syed S. Rizvi, Shalini Poathan, and Khaled Elleithy, "A GVT Based Algorithm for Butterfly Barrier in Parallel and Distributed Systems," International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 08), December 5 - 13, 2008.
  177. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy, "Performance Analysis of End System Multicast," 1st IEEE International Workshop on Future Multimedia Networking (IEEE FNM 2008), Cardiff, Wales, September 18, 2008.
  178. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy, "A Mathematical Model for Evaluating the Performance of Multicast Systems," The 1st IEEE International Workshop on IP Multimedia Communications (IPMC 2008) August 4 - 7, 2008, St. Thomas U.S. Virgin Islands.
  179. Jalpa Bani, Syed S. Rizvi, and Khaled Elleithy, "A Secured Rijndael Implementation to Withstand Cache Timing Attack Using Dynamic Cache Flushing (DCF) Algorithm," First IEEE International Workshop on Security of Computer Communications and Networks (SoCCaN 2008) August 4 - 7, 2008, St. Thomas U.S. Virgin Islands.
  180. Syed S. Rizvi, Aasia Riasat, Khaled Elleithy, and Mustafa Khan, "The Worst and Best case Capacity Analysis of Mobile Ad Hoc Networks (MANET) using a 3-Phase Algorithm," The 5th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad hoc Communications and Networks: IEEE SECON 2008. June 16-20, 2008, San Francisco Bay Area, 2008.
  181. Syed S. Rizvi, Aasia Riasat, and Khaled Elleithy, "Reducing Null Message Traffic in Large Parallel and Distributed Systems," 13th IEEE Symposium on Computers and Communications (ISCC'08), July 6 - 9, 2008, Marrakech, Morocco. (Best Paper Award)
  182. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "An Efficient Single Bit Store and Forward (SBSF) Routing Algorithm for Mesh-Hypercube (M-H) Networks," The 2008 World Congress in Computer Science, Computer Engineering, and Applied Computing WORLDCOMP'08. Las Vegas, Nevada. pp. 69 - 75, July 14 - 17, 2008.
  183. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "A Closed Form Expression for BER of Synchronous DS-CDMA Multi-user Detector," 9th IEEE Wireless Telecommunication Symposium (IEEE WTS 2008), Pomona, California, pp. 110-114, April 24-26 2008.
  184. Auf Akhtar, Syed S. Rizvi, and Khaled Elleithy, "A Novel Approach of Using Data Guard for Disaster Recovery & Rolling Upgrades," ASEE Zone I Conference 2008, United State Military Academy, West Point, NY March 28 - 29.
  185. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "SNR Analysis of a Low-Complexity Wireless Multiuser Receiver for DS-CDMA Systems," IEEE International Symposium on Wireless Pervasive Computing (IEEE ISWPC-08) 2008, 7 - 9 May 2008 Santorini, Greece.
  186. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "Transformation Matrix System for Reducing the Computational Complexity of Wireless Multi-user Receivers for DS-CDMA Systems," 5th International Conference on Information Technology: New Generations ITNG 2008, April 7-9, 2008, Las Vegas, Nevada, USA.
  187. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "A New Mathematical Model for Optimizing the Performance of Parallel and Discrete Event Simulation Systems," 11th Communications and Networking Simulation Symposium (CNS'08), Part of the 2008 Spring Simulation Multiconference (SpringSim'08). April 14-16, 2008. Crowne Plaza Ottawa, Ottawa, Ontario
  188. Sarosh Patel and Khaled Elleithy, "Hierarchically Segmented Routing Protocol for MANETs". In the proceedings of the American Society for Engineering Education (ASEE 08) Zone I Conference, United States Military Academy, West Point, New York, USA, March 2008.
  189. Abdelshakour Abuzneid, Khaled Elleithy, "Using Available Wireless / Wired Network Infrastructure for Public Safety and Emergency Early Response," The American Society for Engineering Education (Zone I), ASEE 2008, March 2008.
  190. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "Deterministic Formalization of the Processing Gain for Reducing MAI in Wireless Multiuser DS-CDMA Systems," 5th Annual IEEE Consumer Communications and Networking Conference (IEEE CCNC'2008), pp. 859 - 860, Las Vegas, Nevada January 10 - 12, 2008.
  191. Syed S. Rizvi, Mustafa A. Khan, Aasia Riasat, and Khaled Elleithy "A Novel Encrypted Database Technique to Develop a Secure Application for an Academic Institution," the 2008 International Conference on Telecommunications and Networking (TeNe), Bridgeport, Connecticut, USA, December 3-12 2007.

192. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "Use of Processing Gain to Suppress Multi Access Interference (MAI) in CDMA Based Multiuser Receiver," International Wireless communications and Mobile Computing Conference 2007 (IWCMC 2007), Honolulu, Hawaii, August 12-16, 2007.
193. Syed S. Rizvi, Aasia Riasat, Muhammad S. Rashid, and Khaled Elleithy, "An Efficient Scheme for Traffic Management in ATM Networks," International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 07), Bridgeport, CT, USA. December 3 - 12, 2007.
194. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "Trees and Butterflies Barriers in Distributed Simulation System: A Better Approach to Improve Latency and the Processor Idle Time," IEEE International Conference on Information and Emerging Technologies (IEEE ICIET-2007), pp. 1 – 6, July 06-07, 2007, Karachi, Pakistan.
195. Syed S. Rizvi, Khaled Elleithy, and Aasia Riasat, "The Impact of Reduced Computational Complexity of Multiuser Detectors on the Processing Gain in a Wireless DS-CDMA Multiuser System," Proceedings of the 2007 International Conference on Wireless Networks (ICWN'07). Part of the 2007 World Congress in Computer Science, Computer Engineering, & Applied Computing (Worldcomp'07), pp. 70 – 76, Las Vegas, Nevada, USA, June 25-28, 2007.
196. Syed S. Rizvi, K. M. Elleithy, and Aasia Riasat, "Transformation Matrix Algorithm for Reducing the Computational Complexity of Multiuser Receivers for DS-CDMA Wireless Systems," Wireless Telecommunication Symposium (WTS 2007), Pomona, California, April 26-28 2007.
197. K. M. Elleithy and A. Maqbool, "Implementations of Location Awareness Technologies and their Applications" Wireless Telecommunication Symposium (WTS 2007), Pomona, California, April 26-28 2007.
198. Khushboo Patel, Chaitali Patel, Syed S. Rizvi, and Khaled Elleithy, "An Approach to Reduce the Energy Consumption in Wireless Sensor Networks through Active Nodes Optimization," 2007 Nefor Engineering Education Conference, April 20-21, 2007.
199. Syed S. Rizvi, K. M. Elleithy, Aasia Riasat, "Minimizing the Null Message Exchange in Conservative Distributed Simulation," International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering, CISSE 2006, pp. 443-448 December 4-14, Bridgeport CT, 2006.
200. K. M. Elleithy and I. Rimawi, Design, Analysis and Implementation of a Cyber Vote System, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 05), 10 - 20 December 2005, Virtual Conference.
201. K. M. Elleithy, D. Blagovic, W. Cheng, and P. Sideleau "Implementation and Comparison Of Denial Of Service Attack Techniques," the 8th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2004), Orlando, USA, July 18-21, 2004.
202. K. M. Elleithy, S. Bell, B. Plaag, and D. Stone, "Implementation and Comparison of a Rules-Based Approach and a Statistical Approach Intrusion Detection Systems" I2TS'2003, 2<sup>nd</sup> International Information and Telecommunication, Technologies Symposium. Florianópolis, Brazil - Nov 26-29, 2003.
203. K. M. Elleithy and T. M. Sobh, "A Framework for Reverse Engineering VLSI Chips," IFAC Conference on Intelligent Control and Signal Processing, Portugal, April 2003.
204. K. M. Elleithy, A. Adebola, S. Shrestha, and B. Bhattarai, "Support of a Banking System Using WAP," The 6<sup>th</sup> World Multiconference on systemics, cybernetics, and Informatics, Orlando, USA, July 14-18, 2002.
205. K. M. Elleithy, H. Ha Hyungate, K. Amol, R. Utpal, "Simulation and Improvement of IMT2000 Power Control," The 6<sup>th</sup> World Multiconference on systemics, cybernetics, and Informatics, Orlando, USA, July 14-18, 2002.
206. K. M. Elleithy, "Formal Verification of Systems On Chip: Current & Future Directions," invited paper, 2002 International Workshop on System-on-Chip for Real-Time Applications, Banff, Canada, July 6-7, 2002.
207. K. M. Elleithy and A. Komaralingam, "A Mobile Content Manager," International Conference on Industrial Electronics, Technology and Automation IETA2001, Cairo, Egypt, 19-21 December.
208. K. M. Elleithy and K. Al-Utaibi, "Performance Analysis of a Priority Traffic Shaper for ATM Networks," Applied Telecommunication Symposium, Seattle, Washington, April 22 -26, 2001

209. K. M. Elleithy & A. Al-Suwaiyan, "Network Traffic Characterization for high-speed networks supporting multimedia," 34th Annual Simulation Symposium, Seattle, Washington, April 22-26, 2001.
210. K. M. Elleithy and M. I. Khan "Security in Internet Payment System and Queuing Network Analysis" International Conference on Advances in Infrastructure for Electronic Business, Science, and Education on the Internet, Rome, Italy, August 2000. (Invited paper)
211. K. M. Elleithy & Alaa A. Amin, "Area Estimation for DSP Algorithms," IEEE Workshop on SIGNAL PROCESSING SYSTEMS (SiPS) Design and Implementation, Lafayette, Louisiana, October 11-13, 2000.
212. K. M. Elleithy, Abd-El-Fattah, E.G., "A Genetic Algorithm for Register Allocation" 9<sup>th</sup> great Lake Symposium on VLSI, Michigan, March 1999.
213. K. M. Elleithy and E. G. AbdelFattah, "A Simulated Annealing Algorithm for Register Allocation," Fifth Saudi Engineering Conference, pp. 373-382, March 1999
214. M. A. Aref and K. M. Elleithy, "HOOVER: Hardware Object-Oriented Verification," 8<sup>th</sup> Great Lake Symposium on VLSI, GLS'98, Lafayette, Louisiana, Feb. 1998.
215. K. M. Elleithy and E. G. Abd-El-Fattah, "New Non-deterministic Approaches for Register Allocation," 4<sup>th</sup> IEEE International Conference on Electronics, Circuits, and Systems, Cairo, Dec. 1997.
216. K. M. Elleithy, and S. H. Abdul-Jauwad, "A Transputer Based Sonar Range finding," The Journal of The Faculty of Science, United Arab Emirates University, May 1997, pp. 100-108.
217. A. Amin and K. M. Elleithy, "Self-Timing of Event Logic Data-Paths," The Eighth International Conference on Microelectronics, Cairo, Dec. 1996.
218. K. M. Elleithy and M. A. Aref, "Verification Strategy in Prover," The Asia Pacific Conference on Circuits and Systems, Seoul, Korea, Nov. 18-21, 1996.
219. K. M. Elleithy, "Choosing System Moduli for RNS Arithmetic Processors," 30th Annual Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, California, Nov. 3-6, 1996.
220. Amin and K. M. Elleithy, "Mapping CIRCAL based Algorithms to Event Logic using a Standard Cell Library," The Seventh International Conference on Microelectronics, Kuala Lumpur, Dec. 19-21, 1995.
221. K. M. Elleithy and A. A. Amin, "Synthesizing Digital Signal Processing Algorithms from Formal Descriptions," The Sixth International Conference on Signal Processing Applications and Technology, Boston, pp. 901-905, Oct. 24-26, 1995.
222. K. M. Elleithy and A. A. Amin, "An Event Logic Architecture for CIRCAL Algorithms," The Seventh IASTED International Conference on Parallel and Distributed Computing and Systems, Washington, D. C., pp. 311-314, Oct. 18-21, 1995.
223. K. M. Elleithy and A. A. Amin, "A Formal Approach for Synthesizing Digital Signal Processing Algorithms," IEEE Singapore International Conference on Signal Processing, Circuits and Systems, Singapore, pp. 163-168, July 3-7, 1995.
224. K. M. Elleithy, "An Integer Programming Approach for Choosing the System Moduli for RNS Processor," Minisymposium on Optimization Theory and Applications, KFUPM, Dhahran, May 30, 1995.
225. K. M. Elleithy, "Formal Verification of DSP VLSI Architectures," International Conference on Electronics, Circuits and Systems, Cairo, Egypt, Dec. 19-22, 1994.
226. K. M. Elleithy and M. A. Al-Humaigani, "Formal Environments for Parallel Hardware Description Languages," International Conference on Electronics, Circuits and Systems, Cairo, Egypt, pp. 440-445, Dec. 19-22, 1994.
227. K. M. Elleithy and M. A. Al-Humaigani, "Parallelism Analysis and Extraction of Digital Signal Processing Algorithms," Twenty-Eighth Annual Asilomar Conference on Signals, Systems and Computers, Pacific Grove, California, pp. 1041-1045, Oct. 31-Nov. 2, 1994.
228. Maruf and K. M. Elleithy, "RISC Support for Real-Time Features," Sixth International Conference on Microelectronics, Istanbul, Turkey, Sep. 5-7, 1994.
229. K. M. Elleithy and M. A. Al-Humaigani, "Formal Verification of DSP VLSI Architectures: A Tutorial" 37th Midwest Symposium on Circuits and Systems, Lafayette, Louisiana, pp. 351-355, August 3-5, 1994.
230. K. M. Elleithy and M. A. Aref, "A Rule-based Approach for High Speed Adders Design Verification," 37th Midwest Symposium on Circuits and Systems, Lafayette, Louisiana, pp. 274-277, August 3-5, 1994.

231. K. M. Elleithy, Samir H. Abdul-Jauwad, and Jafar Al-Rashed, "A Transputer Based Sonar Range finding," Workshop on Optimization and Parallel Computation, Al-Ain, United Arab Emirates, May 8-11, 1994.
232. K. M. Elleithy and Muhammed A. Al-Humaigani, "A Characteristic Model for Formal Parallel Hardware Description Languages," Workshop on Optimization and Parallel Computation, Al-Ain, United Arab Emirates, May 8-11, 1994.
233. S. M. Sait, M. Hasan, and K. M. Elleithy, "Design of a cell Library for Formal High Level Synthesis," Mediterranean Electrotechnical Conference Melecon 94, April 1994.
234. K. M. Elleithy, Sadiq M. Sait and Masud-ul-Hasaan, "Formal Design of VLSI Systems," Fifth International Conference on Microelectronics, Dhahran, pp. 214-219, Dec. 1993.
235. K. M. Elleithy, "Formal Hardware Verification of VLSI Architecture Current Status and Future Directions," Fifth International Conference on Microelectronics, Dhahran, pp. 197-201, Dec. 1993.
236. M. A. Aref and K. M. Elleithy, "PROVER: A Production System for Formal Hardware Verification," Fifth International Conference on Microelectronics, Dhahran, pp. 210-213, Dec. 1993.
237. K. M. Elleithy and Mostafa A. Aref, "A Production Based System for Formal Verification of Digital Signal Processing Architectures," Twenty-Seventh Annual Asilomar Conference on Signals, Systems and Computers, Pacific Grove, California, pp. 1618-1622, Nov. 1-3, 1993.
238. K. M. Elleithy and Adel Al-Massarani, "PLORA: A Prolog and LISP oriented RISC Architecture," 18th International Conference for Statistics and Computer Science and its Scientific and Social Applications, Egypt, April 1993.
239. K. M. Elleithy, "Systolic Arithmetic Architectures," Fifth International Conference on VLSI Design, Bangalore, India, January 1992.
240. K. M. Elleithy and M. A. Bayoumi, "A Massively Parallel RNS Architecture," Twenty Fifth Annual Asilomar Conference on Signals, Systems and Computers, Pacific Grove, California, pp. 408-412, November 1991.
241. K. M. Elleithy and M. A. Bayoumi, "Formal Design of RNS Processors," Proc. of the International Conference on Circuits and Systems, pp. 605-608, China, June 1991.
242. K. M. Elleithy and M. A. Bayoumi, "From Algorithms to Parallel architectures: A Formal Approach," Proc. of Fifth International Symposium on Parallel Processing, pp. 358-363, April 1991.
243. K. M. Elleithy and M. A. Bayoumi, "Formalization of DSP Architectural Synthesis," Proc. of the Fifth European Signal Processing Conference, Spain, pp. 1451-1454, vol. 3., Sep. 1990.
244. K. M. Elleithy and M. A. Bayoumi, "A Formal Design Methodology for Parallel Architectures," Proc. of the International Conference on Application Specific Array Processors, pp. 603-614, Sep. 1990.
245. K. M. Elleithy and M. A. Bayoumi, "Formal Synthesis of Parallel Architectures from Recursive Equations," Proc. of the 1990 International Conference on Parallel Processing, vol. I, pp. 145-148, Aug. 1990.
246. K. M. Elleithy and M. A. Bayoumi, "Synthesizing DSP Architectures from Behavioral Specifications: A Formal Approach," Proc. of the 1990 IEEE International Symposium for Circuits and Systems, pp. 1131-1134, May 1990.
247. K. M. Elleithy and M. A. Bayoumi, "A Formal High Level Synthesis Approach for DSP Architectures," Proc. of the 1990 International Conf. on Acoustics, Speech and Signal Processing, pp. 897-900, April 1990.
248. K. M. Elleithy and M. A. Bayoumi, "A Formal Framework for Synthesis of Parallel Architectures," Proc. of the Fourth Annual Symposium on Parallel Processing, April 1990.
249. K. M. Elleithy and M. A. Bayoumi, "A Framework for High Level Synthesis of Digital Architectures from U-recursive Algorithms," Proc. of the ACM Eighteenth Annual Computer Science Conference, pp. 305-311, Feb. 1990.
250. K. M. Elleithy, M. A. Bayoumi, and K. P. Lee, " $\Theta(\log n)$  Architectures for RNS Arithmetic Decoding," Proc. of the 9th Symposium on Computer Arithmetic, pp. 202-209, Sep. 1989.
251. K. M. Elleithy and M. A. Bayoumi, "A  $\Theta(\log n)$  Algorithm for Modulo Multiplication," Proc. of the 32nd Midwest Symposium on Circuits and Systems, pp. 353-356, Aug. 1989.
252. P. Lee, M. A. Bayoumi and K. M. Elleithy, "A Fast and Flexible Residue Decoder Based on the Chinese Remainder Theorem," Proc. of The 1989 International Symposium on Circuits and Systems, pp. 200-203, May 1989.

253. K. M. Elleithy, M. A. Bayoumi, and L. M. Delcambre, "A Systolic Machine for Relational Database and Hashing," Proc. Third Annual Parallel Processing Symposium, pp. 621-635, Mar. 1989.
254. M. A. Bayoumi and K. M. Elleithy, "A Logic Programming Approach for DSP architectures Design," Proc. of the 22<sup>nd</sup> IEEE Asilomar Conf. on Signals, Systems and Computers, vol. 2, pp. 753-757, Nov. 1988.

#### **Presentations in Conferences, Meetings, and Seminars**

1. "A Novel Fault Self-Detectable Universal Quantum Reversible Circuits Array Design, 2018 IEEE 9th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (UEMCON), Manhattan, NY, November 9-11, 2018.
2. "Buffer-Overflow and Noise-Handling Model: Guaranteeing Quality of Service Routing for Wireless Multimedia Sensor Networks," The International Conference on Engineering Technologies & Entrepreneurship 2015, Kuala Lumpur, Malaysia, 16-18 November 2015.
3. "A Multi-Layer Framework for Detection Selective Forwarding Attacks in WSNs," The International Conference on Engineering Technologies & Entrepreneurship 2015, Kuala Lumpur, Malaysia, 16-18 November 2015.
4. "Advancing Wireless Sensor Networks Performance over Radio Trigger Wake-Up Capabilities," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
5. "A Dynamic Clustering Algorithm for Object Tracking and Localization in WSN," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
6. "Developing Network Security Protocol using Key Pre-Distribution for Wireless Sensor Network," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
7. "Cost Analysis of 5th Generation Technology," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
8. "Optimized Cooperative Localization Technique Based on Linear Intersection over Wireless Sensor Networks," CAINE-2014, 27th International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, October 13-15, 2014.
9. "Steganography in Arabic Text Using Full Diacritics Text," CAINE-2012, 25<sup>th</sup> International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, November 14 – 16, 2012.
10. "Development of OSA Event Detection Using Threshold Based Automatic Classification," CAINE-2012, CAINE-2012, 25<sup>th</sup> International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, November 14 – 16, 2012.
11. "Optimized Algorithm for Fire Detection over WSN using Micaz Motes," CAINE-2012, 25<sup>th</sup> International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, November 14 – 16, 2012.
12. "Efficient and Optical Character Recognition Algorithm for Signature Recognition," CAINE-2012, 25<sup>th</sup> International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, November 14 – 16, 2012.
13. "Parallel Processing for Multi Face Detection and Recognition," CAINE-2012, 25<sup>th</sup> International Conference on Computer Applications in Industry and Engineering, New Orleans, Louisiana, November 14 – 16, 2012.
14. "Underwater Wireless Sensor Network Communication Using Electromagnetic Waves at Resonance Frequency 2.4 GHz," 15th Communications and Networking Simulation (CNS'12) Symposium, Orlando, FL, USA, March 26 - 29, 2012.
15. "A Use of Matrix with GVT Computation in Optimistic Time Warp Algorithm for Parallel Simulation, 15th Communications and Networking Simulation (CNS'12) Symposium, Orlando, FL, USA, March 26 - 29, 2012.
16. "Security in Wireless Sensor Networks: Key Intrusion Detection Module in SOOAWSN," 14th Communications and Networking Simulation (CNS'11) Symposium, Boston, April 4 – 7, 2011.



17. "A Generic Optimized Time Management Algorithms (OTMA), Framework for Simulating Large-Scale Overlay Networks," 14th Communications and Networking Simulation (CNS'11) Symposium, Boston, April 4 – 7, 2011.
18. "Transformation Matrix Algorithm for Reducing the Computational Complexity of Multiuser Receivers for DS-CDMA Wireless Systems," Wireless Telecommunication Symposium (WTS 2007), Pomona, California, April 26-28, 2007.
19. "Implementations of Location Awareness Technologies and their Applications" Wireless Telecommunication Symposium (WTS 2007), Pomona, California, April 26-28, 2007.
20. "Implementation and Comparison of Denial of Service Attack Techniques," the 8th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2004), Orlando, USA, July 18-21, 2004.
21. "A Framework for Reverse Engineering VLSI Chips," IFAC Conference on Intelligent Control and Signal Processing, Portugal, April 2003.
22. "Support of a Banking System Using WAP," The 6th World Multiconference on systemics, cybernetics, and Informatics, Orlando, USA, July 14-18, 2002.
23. "Simulation and Improvement of IMT2000 Power Control," The 6th World Multiconference on systemics, cybernetics, and Informatics, Orlando, USA, July 14-18, 2002.
24. "E-commerce" Public Lecture organized by Royal Commission at Jubail, Saudi Arabia, Dec. 1999.
25. "Area Estimation for DSP Algorithms," IEEE Workshop on SiGNAL PROCESSING SYSTEMS (SiPS) Design and Implementation, Lafayette, Louisiana, October 11-13, 2000.
26. "E-commerce" Saudi Internet 98 Meeting, Riyadh, Dec. 5-7, 1999
27. "A Genetic Algorithm for Register Allocation" 9<sup>th</sup> great lake Symposium on VLSI, Michigan, March 1999.
28. "A Simulated Annealing Algorithm for Register Allocation," Fifth Saudi Engineering Conference, March 1999
29. "Net Security" Information Technology Center Internal Seminar for ITC Staff, Dhahran, Saudi Arabia, Nov. 1998.
30. "Internet/Intranet for Business" Dhahran 15<sup>th</sup> Annual Computer, Communication & Office Technology Exhibition, Oct. 17-22, 1998.
31. "HOOVER: Hardware Object-Oriented Verification," 8<sup>th</sup> Great Lake Symposium on VLSI, GLS'98, Lafayette, Louisiana, Feb. 1998.
32. "New Non-deterministic Approaches for Register Allocation," 4<sup>th</sup> IEEE International Conference on Electronics, Circuits, and Systems, Cairo, Dec. 1997.
33. "HOOVER: Hardware Object-Oriented Verification," 8<sup>th</sup> Great Lake Symposium on VLSI, GLS'98, Lafayette, Louisiana, Feb. 1998.
34. "Electronic Commerce," Annual Computer Exhibition, KFUPM, April 1997.
35. "Formal Hardware Verification," ICS/COE Fall Seminar Series, KFUPM, Dec. 1996.
36. "Choosing System Moduli in RNS," ICS/COE Fall Seminar Series, Nov. 1996.
37. "Choosing System Moduli for RNS Arithmetic Processors," 30<sup>th</sup> Annual Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, California, Nov. 3-6, 1996.
38. "Synthesis of Digital Signal Processing Algorithms from Formal Descriptions," The Sixth International Conference on Signal Processing Applications and Technology, Boston, Oct. 24-26, 1995.
39. "An Event Logic Architecture for CIRCAL Algorithms," The Seventh IASTED International Conference on Parallel and Distributed Computing and Systems, Washington, D. C., Oct. 18-21, 1995.
40. "An Integer Programming Approach for Choosing the System Moduli for RNS Processor," Minisymposium on Optimization Theory and Applications, KFUPM, Dhahran, May 30, 1995.
41. "Formal Verification of DSP VLSI Architectures," International Conference on Electronics, Circuits and Systems, Cairo, Egypt, Dec. 19-22, 1994.
42. "Formal Environments for Parallel Hardware Description Languages," International Conference on Electronics, Circuits and Systems, Cairo, Egypt, Dec. 19-22, 1994.
43. "Formal Verification of DSP VLSI Architectures: A Tutorial" 37<sup>th</sup> Midwest Symposium on Circuits and Systems, Lafayette, Louisiana, August 3-5, 1994.
44. "A Rule-based Approach for High Speed Adders Design Verification," 37<sup>th</sup> Midwest Symposium on Circuits and Systems, Lafayette, Louisiana, August 3-5, 1994.
45. "A Transputer Based Sonar Range finding," Workshop on Optimization and Parallel Computation, Al-Ain, United Arab Emirates, May 8-11, 1994.

46. "A Characteristic Model for Formal Parallel Hardware Description Languages," Workshop on Optimization and Parallel Computation, Al-Ain, United Arab Emirates, May 8-11, 1994.
47. "Formal Hardware Verification of VLSI Architecture Current Status and Future Directions," Fifth International Conference on Microelectronics, Dhahran, Saudi Arabia, Dec. 1993.
48. "A Production Based System for Formal Verification of Digital Signal Processing Architectures," Twenty-Seventh Annual Asilomar Conference on Signals, Systems and Computers, Pacific Grove, California, Nov. 1993.
49. "PLORA: A Prolog and LISP oriented RISC Architecture," EinShams University, Cairo, April 1993.
50. "RISC Architectures," Information & Computer Science Department Spring Lecture Series, King Fahd University, May 1992.
51. "Foundations of Hardware Design Correctness," Computer Engineering Department, King Fahd University, December 1991.
52. "A Massively Parallel RNS Architecture," 25<sup>th</sup> Asilomar Conference on Circuit and Systems, Pacific Grove, California, Nov. 1991.
53. "Formal High Level Synthesis," Computer Engineering Department, King Fahd University, December 1990.
54. "Synthesizing DSP Architectures from Behavioral Specifications: A Formal Approach," 1990 IEEE International Symposium for Circuits and Systems, New Orleans, May 1990.
55. "Formalizing Behavioral Specifications Synthesis," Louisiana State University, Louisiana, April 1990.
56. "A Framework for High Level Synthesis of Digital Architectures from U-recursive Algorithms," ACM Eighteenth Annual Computer Science Conference, Washington D. C., Feb. 1990.
57. "Efficient Implementations of the Chinese Remainder Theorem," Computer Science and Automatic Control Department, Alexandria University, July 1989.
58. "A Systolic Machine for Relational Database and Hashing," Third Annual Parallel Processing Symposium, Los Angeles, Mar. 1989.
59. "Residue Arithmetic: Parallelism at the Algorithmic Level," The Center for Advanced Computer Studies, University of Southwestern Louisiana, November 1987.