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EDUCATION:

- PhD (Electrical Engineering), October 2007
Thesis Title: Multiple Input Multiple Output Communication Systems and Their Performance in the Presence of Imperfect Channel State Information (CSI).
The University of Western Ontario, London, Canada
- M.E.Sc (Electrical Engineering), December 2004
Thesis Title: Numerical Solutions of Stochastic Differential Equations and Their Applications in Wireless Communication.
The University of Western Ontario, London, Canada
- B.E.Sc (Electrical Engineering), April 2003
The University of Western Ontario, London, Canada

PUBLICATIONS:**ISI Publications:**

1. Muhammad Abdullah, Saad Khana, Mamdouh Alenezi, Khaled Almustafa, and Waheed Iqbal, "Application Centric Virtual Machine Placements to Minimize Bandwidth Utilization in Datacenters," Intelligent Automation and Soft Computing, ISSN Online: 2326-005X, pp. 1–14, 2018
2. Mamdouh Alenezi, Khaled Almustafa and Mohamed Hussein, "On Virtualization and Security-Awareness Performance Analysis in 5G Cellular Networks", The Journal of Engineering Science and Technology Review (JESTR), ISSN:1791-2377 Vol 11, No 1, 2018, Pages 199–207.
3. Mamdouh Alenezi, Khaled Almustafa, Khalim Amjad Meerja, " Cloud based SDN and NFV Architectures for IoT Infrastructure," Accepted at the Egyptian Informatics Journal (EIJ) ISSN: 1110-8665. Vol. 19, No. 2, 2018, Pages 1–10.
4. M. Marey, K. Almustafa, Hala Mostafa " Multiuser Detection Schemes for Multicarrier Four-node Wireless Systems" The International Journal of Future Generation Communication and Networking (IJFGCN), ISSN:2233-7857, August, 2017. Vol. 10, No. 8.
5. Khalim Amjad Meerja, Khaled Almustafa, "Architecture Considerations for Big Data Management", The International Journal of Advanced Computer Science and

Applications (IJACSA), Monthly ISSN: 2158-107X, August 2016, Vol. 7, No. 8 : PP. (334-342).

6. Rejaul Chowdhury, Khaled Almustafa, "Design of physical topology and placement of equipment in a hybrid optical-wireless access network", The International Journal of Compute Science and Network Security (IJCSNS) ; ISSN: 1738-7906, June 2016, Vol. 16, No. 6: PP. 14-26
7. Khalim Amjad Meerja, Khaled Almustafa, "Big Data Outburst due to Wireless Internet of Things", The International Journal of Computer Science and Information Security (IJCSIS); ISSN: 2158-107X, May 2016, Vol. 14, No. 5: PP 31-41.
8. Shafi Mirza, Khaled Almustafa, "Estimation of Packet Loss on MAC Layer in IEEE 802.11 Wireless Local Area Networks", The International Journal of Future Generation Communication and Networking (IJFGCN), ISSN:2233-7857 March.27, 2015.

Non-ISI Refereed Publications:

1. Salah Al-Shami, Ali El-Zaart, Khaled Almustafa, Ahmed Zekri, Rached Zantout, "Number Recognition in the Saudi License Plates using Classification and Clustering Methods" , Applied Mathematics & Information Sciences 11(1):1-13 · January 2017
2. Khaled Almustafa, Serguei Primak, Performance of MIMO Systems in Partially Known Channels: Performance of MIMO Systems In Imperfect CSI (ISBN 978-3-8443-8651-6), LAP LAMBERT Academic Publishing GmbH & Co. KG. June, 2011
3. Khaled Almustafa, "Performance of Multiple Input Multiple Output Communication System in Partially Known Channels," Ph.D. Thesis. The University of Western Ontario. 2007.
4. Serguei Primak, Khaled Almustafa, Jeff Weaver and Valeri Kontorovich, "On Moment Analysis of Stochastic Differential Equations with Random Structure," Dynamics of Continuous, Discrete and Impulsive Systems journal, 2007.
5. Khaled Almustafa, "Numerical Solutions of Stochastic Differential Equations (SDE) and Their Applications in Wireless Communication," Master Thesis. The University of Western Ontario. 2005.
6. Primak S, Almustafa K, Willink T and Baddour K, "On Achievable Data Rates and Optimal Power Allocation in Fading Channels with Imperfect Channel State Information," Wireless Personal Communication Journal, July 2009, Vol. 50, Issue 1, pp 69-81.

CONFERENCES:

1. Khaled Almustafa, Mamdouh Alenezi , "Dynamic Evolution of Source Code Topics", The Tenth International Conference on Software Engineering Advances ICSEA2015, Barcelona Nov 15-20, 2015.

2. Rejaul Chowdhury, Abdallah Shami, Khaled Almustafa, "Designing of next-generation hybrid optical-wireless access network", The 14th IEEE International Conference on Innovations for Community Systems (I4CS), June 4-6 2014, Reims, France.
3. Eltayeb Abuelyaman, Atikan Teber and Khaled Almustafa "Extension of Diffie- Hellman's Secure Key Distribution Technique to Multipoint Broadcasting," The 2010 International Conference on Security & Management, SAM 2010, Las Vegas Nevada, USA, Pages 714-720.
4. Serguei Primak and Khaled Almustafa, "Optimization of pilot placement in adaptive M-PSK modulation systems in Rayleigh fading channel," The 5th IEEE-GCC Conference - 'Innovative Engineers for sustainable Environment, Kuwait, 2009
5. Primak S, Almustafa K, Willink T and Baddour K, "On Achievable Data Rates and Optimal Power Allocation in Fading Channels with Imperfect CSI," The 4th International Symposium on Wireless Communication Systems, (ISWCS 2007), Trondheim, Norway, Pages 282-286.
6. Serguei Primak and Khaled Almustafa, "On the Covariance Function of a Mobile to Mobile Communication Link," the IASTED International Conference on Modelling and Simulation (MS 2007). Montreal, Canada.
7. Serguei Primak, Khaled Almustafa and T. Willink, "On Alamouti Scheme Performance in Spatially Correlated Fading and Pilot Assisted Channel Prediction," The 18th IASTED International Conference on Modelling and Simulation, (MS 2007) Pages 26-31. Montreal, Canada.

WORK EXPERIENCE:

- 9/2017 – Present
 - Associate Professor, Department of Communication and Networks Engineering.
 - Director of PSU Research and Initiatives Center
- 9/2015 – 8/2018
 - Vice Dean, College of Engineering, Prince Sultan University (PSU), Riyadh, Kingdom of Saudi Arabia.
- 8/2016 – 8/2017
 - Director, PSU Innovation Center, Prince Sultan University (PSU), Riyadh, Kingdom of Saudi Arabia.
- 9/2011- 8/2015
 - Chairman, Department of Communication and Networks Engineering, College of Engineering, Prince Sultan University (PSU), Riyadh, Kingdom of Saudi Arabia.
 - Assistant Professor, Department of Communication and Networks Engineering.
- 9/2011- 8/2014
 - General Supervisor, Information Technology and Computer Services (ITCS), Prince Sultan University, Riyadh, Kingdom of Saudi Arabia:
- 9/2008 – 8/2011
 - Assistant Professor, Department of Information Systems, College of Computer and Information Sciences, Prince Sultan University (PSU), Riyadh, Kingdom of Saudi Arabia.