Firdous Kausar

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Education

PhD, Information Security, National University of Sciences and Technology, Pakistan, 2009
MS, Information Security, National University of Sciences and Technology, Pakistan, 2005

Academic Experience

Assistant Professor, Electrical and Computer Engineering Department, College of Engineering , Sultan Qaboos University, Muscat, Oman. (Sep 2017 to Date), Full time.
Assistant Professor , Computer Science Department, College of Computer and Information Sciences , Al-Imam Muhammad bin Saud Islamic University, Riyadh, KSA. (2010-2017), Full time.
Lecturer, Information Security Department, Military College of Signals, National University of Sciences and Technology, Islamabad, Pakistan. (2008-2010), Full time.

Non-academic Experience

National Response Center for Cyber Crime, Federal Investigation Agency, Principal Research Officer (Nov 2007 to Mar 2008), full time.

Certifications or Professional Registrations

IBM Academic Certificate, Security Intelligence Analyst Mastery Award, 21 December 2016, Unique ID: 7130-1482-3261-7948

Current Membership in Professional Organizations

Institute of Electrical and Electronics Engineering, IEEE
IEEE Women in Engineering

Honors and Awards

Higher Education Commission of Pakistan
• International Research Support Initiative Program Scholarship, 2007
• Indigenous PhD Fellowship, 2004–2007

Service Activities

Reviewer of IEEE Communication Magazine
Program Committee Member
● The 7th International Conference on Ambient Systems, Networks and Technologies (ANT 2016)
● The 6th International Conference on Ambient Systems, Networks and Technologies (ANT 2015)
● The 5th International Conference on Ambient Systems, Networks and Technologies (ANT 2014)
● International Conference on Mobile Communications and Pervasive Computing (MCPC 2009)

- Member of department Accreditation Committee

Most Important Publications

1. F. Kausar, S. Juma, S. Alzaydi, R. Alroba, "Traffic Analysis Attack for Identifying Users' Online Activities", in IEEE IT Professional, 2018.
2. A. Alsaidi, F. Kausar, "Security Attacks and Countermeasures on Cloud Assisted IoT Applications", 3rd IEEE International Conference on Smart Cloud (SmartCloud 2018) September 21st-23rd, 2018, New York, USA.
3. T.N. Alyahya , F. Kausar, "Snapchat Analysis to discover Digital Forensic Artifacts on Android Smartphone", The 8th International Conference on Ambient Systems, Networks and Technologies (ANT 2017) May 16-19, 2017, Madeira, Portugal.
4. A. Alamr, F. Kausar, J. Kim, C. Seo, "A Secure ECC based RFID Mutual Authentication Protocol for Internet of Things", The Journal of Supercomputing, Springer, pp 1-14, Sep 2016.
5. F. Kausar, T.N. Alyahya, "Analysis of Physical Image Acquisition Forensic Tools for Android Smartphones", IJCSNS International Journal of Computer Science and Network Security, VOL.16 No.11, Nov 2016.

Most Recent Professional Development Activities

N/A