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| | Current Position: | Associate Professor |
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RESEARCH INTERESTS

- Big Data, Computer Security, Cloud Computing

EDUCATIONAL BACKGROUND

- PhD (Computer Engineering)
Dongguk University, Seoul, South Korea
- MS (Computer Engineering)
Center for Advanced Studies in Engineering (CASE)
University of Engineering and Technology, Taxila, Pakistan
- Master of Computer Science
Arid University, Rawalpindi, Pakistan
- Bachelor of Science
University of the Punjab, Lahore, Pakistan

EXPERIENCE

- Assistant Professor, Xiamen University Malaysia, Selangor (September 2018 – Present)
- Assistant Professor, Dongguk University, Seoul (March 2018 – August 2018)
- Research Fellow, Dongguk University, Seoul (2014 - 2018)
- Assistant Professor, Kardan University, Kabul (2009 - 2014)
- Lecturer / Vice Principal, Institute of Management and Information Technology, Rawalpindi, (2002 – 2009)

HONORS/AWARDS

- Awarded outstanding paper award in the 9th International Conference on Internet, Vientiane, Laos, December 2017.
- Awarded PhD scholarship by the Dongguk University, Seoul.

- Awarded scholarship in 2nd and 3rd semester of “Master in Computer Science” program.
- Awarded Higher Education Commission’s Indigenous MS leading to PhD scholarship (Batch III).

REPRESENTATIVE PUBLICATIONS

- **K. Siddique**, Z. Akhtar, F. A. Khan and Y. Kim, “KDD Cup ’99 Datasets: A Perspective on the Role of Datasets in Network Intrusion Detection Research”, (Accepted, to appear in IEEE Computer), SCI, IF=1.94
- **K. Siddique**, Z. Akhtar, M. A. Khan, Y. Jung and Y. Kim, "Developing an Intrusion Detection Framework for High-Speed Big Data Networks: A Comprehensive Approach," KSII Transactions on Internet and Information Systems, vol. 12, no. 8, pp. 4021-4037, 2018. SCIE, IF=0.611
- **K. Siddique**, Z. Akhtar, H. Lee, W. Kim, and Y. Kim, “Toward Bulk Synchronous Parallel-Based Machine Learning Techniques for Anomaly Detection in High Speed Big Data Networks”, Symmetry 2017, 9, 197. SCIE, IF = 1.457
- **K. Siddique**, Z. Akhtar and Y. Kim, “Biometrics vs. Passwords: A Modern Version of the Tortoise and the Hare”, Elsevier, Computer Fraud & Security, Vol. 1, 2017. ISI Indexed, SNIP=0.482
- **K. Siddique**, Z. Akhtar, Y. Kim, Y. S. Jeong, E. J. Yoon, “Investigating Apache Hama: A Bulk Synchronous Parallel Computing Framework”, Springer, The Journal of Supercomputing, pp. 1-16, 2017. SCI, IF=1.326
- **K. Siddique**, Z. Akhtar and Y. Kim, “Intrusion Detection in High-Speed Big Data Networks: A Comprehensive Approach”, In the 9th International Conference on Internet, Vientiane, Laos, December 2017.
- **K. Siddique**, Z. Akhtar, E. J. Yoon, Y. S. Jeong, D. Dasgupta, Y. Kim, “Apache Hama: An Emerging Bulk Synchronous Computing Framework for Big Data Applications”, IEEE Access, Vol. 4, 2016. SCIE, IF=3.244
- **K. Siddique**, Z. Akhtar, Y. Kim, “Researching Apache Hama: A Pure BSP Computing Framework”, In Advanced Multimedia and Ubiquitous Engineering, pp. 215-221, Springer, Singapore, 2016.