Dr. Muhammad Jawad Ikram

Assistant Professor, Department of Computer Science and Software Engineering, International Islamic University, Islamabad

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RESEARCH INTERESTS
High-Performance Computing (Exascale), GPU Computing, Ad hoc Networks, and Performance Modeling.

EDUCATION

Years	Degree	Name of Institution
2014-2018	PhD Computer Science	King Abdulaziz University, Jeddah, Saudi Arabia.
2011-2012	MS Networks and Performance Engineering	University of Bradford, UK.

WORK EXPERIENCE
- **Assistant Professor,** 15-08-2018 to onward(4 months)
- **Visiting Lecturer**, Fall 2013-14 (Abdul Wali Khan University, Mardan, and IIU, Islamabad)

COURSE TEACHING
Undergraduate Level
- System Integration and Architecture
- Basics of Academic Writing

PUBLICATIONS (year wise, from latest)
- O. A. Abulnaja, **M. J. Ikram**, M. A. Al-Hashimi, and M. E. Saleh, "Analyzing Power and Energy Efficiency of Bitonic Mergesort based on Performance Evaluation," *IEEE Access,* vol. 6, pp. 42757-42774, 2018.*(Thomson Reuters Impact Factor: 3.557)*
- **M. J. Ikram**, O. A. Abulnaja M. E. Saleh and M. A. Al-Hashimi, "Measuring Power and Energy Consumption of Programs Running on Kepler GPUs," accepted for publication in *Journal of Electrical Systems and Information Technology,* 2018.*(Published by Elsevier)*
- **M. J. Ikram**, O. A. Abulnaja M. E. Saleh and M. A. Al-Hashimi, "Measuring Power and Energy Consumption of Programs Running on Kepler GPUs," in *IEEE 5th*

International Conference on Advanced Control Circuits and Systems, and IEEE 4th International Conference on New Paradigms in Electronics & Information Technology,Alexandria, Egypt, November 2017.

- M. A. Al-Hashimi, O. A. Abulnaja, M. E. Saleh and **M. J. Ikram**, "Evaluating Power and Energy Efficiency of Bitonic Mergesort on Graphics Processing Unit," *IEEE Access,* vol. 5, pp. 16429-16440, 2017.*(Thomson Reuters Impact Factor: 3.557)*
- **M. J. Ikram**, "Performance and Security Modeling of Mobile Wireless Ad hoc Networks using Petri Nets," in*6th Scientific Forum for KAU Students,* December2015.
- K. M. Jambi, A. A. Hadi, **M. J. Ikram**, O. A. Abdulkader, "A Novel Chaos-based Image Encryption Using Circular Shift," in *6th Scientific Forum for KAU Students,* December2015.
- **M. J. Ikram** and J. Cazalas, "Efficient Collaborative Technique using Intrusion Detection System for Preserving Privacy in Location-based Services," *International Journal of Computer Networks and Applications*, vol. 2, no. 5, 2015.
- **M. J. Ikram** and K. Ahmad, "Investigation of Performance-Security Tradeoff in Robotic Mobile Wireless Ad hoc Networks (RANETs) using Stochastic Petri Nets," *International Journal of Computer Applications,* vol. 62, no. 18, pp. 34-41, 2013.
- K. Ahmad, N. Ahmad, K. Haider and **M. J. Ikram**, "Effect of Salient Features in Object Recognition," *International Journal of Computer Applications,* vol. 62, no. 18, pp. 34-41, 2013.

PROJECTS
Principal Investigator
- HEC Pakistan, Power and Energy Efficient Algorithms, and Programming Techniques for Exascale Systems, 2018.

Paper Reviewer
- **Journals**
  - IEEE Access (Associate Editor, and Reviewer)
- **Memberships**
  - Pakistan Engineering Council.