

Curriculum Vitae

Fahed Jubair

Assistant Professor

Department of Computer Engineering

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Google Scholar: <https://scholar.google.com/citations?hl=en&user=cRrg8AcAAAAJ>



Education:

- **Ph.D.** in Electrical and Computer Engineering, 2014
Purdue University, West Lafayette, Indiana, USA
- **M.Sc.** in Electrical and Computer Engineering, 2010
Purdue University, West Lafayette, Indiana, USA
- **B.Sc.** in Computer Engineering, 2007
University of Jordan, Amman, Jordan

Research Interests:

- Optimizing compilers
- Parallel processing
- Heuristic algorithms
- Machine learning
- Medical Informatics

Management Positions:

- University of Jordan, Amman, Jordan Mar 2018 – Sep 2018
School of Engineering Dean Assistant for Computer Affairs
- University of Jordan, Amman, Jordan Sep 2020 – Dec 2021
Computer Engineering Department Chair
- University of Jordan, Amman, Jordan May 2021 – current
University Website Office Coordinator

Academic Teaching:

University of Jordan, Amman, Jordan Oct 2014 – current
Assistant Professor, Computer Engineering Department

- Data structures and algorithms course
- Optimizing compilers course
- Parallel processing course & lab
- Computer architecture course & lab
- Digital Logic course & lab

German Jordanian University, Madaba, Jordan Feb 2021 – June 2021
Adjunct Professor, Computer Engineering Department

- Parallel processing course

Erasmus+ Teaching Mobility Program:

Philipps-University Marburg, Germany

June 2018

Invited by professor Christoph Bockisch

- Modern parallel processors overview
- OpenMP programming

Porto University, Portugal

May 2022

Invited by professor João MP Cardoso

- Java Multithreading
- OpenMP, MPI and CUDA programming

International Collegiate Programming Contest (ICPC) Student Supervision:

- Amman Collegiate Programming Contest
My students won 8th place
May 5, 2018
- Jordan Collegiate Programming Contest
My students won 7th place
Oct 6, 2018
- Arab Collegiate Programming Contest
My students won 32th place
Nov 5, 2018
- Jordan University Collegiate Programming Contest
My students won 1th place
June 22, 2019
- Jordan Collegiate Programming Contest
My students won 10th place
Nov 2, 2019
- Arab Collegiate Programming Contest
My students won 10th place
Dec 3, 2019
- Word Finals Collegiate Programming Contest
Oct 1, 2021

Research Assistantship:

Purdue University, West Lafayette, IN

August 2009 – August 2014

Paramount Research Lab

- Formulate novel compiler data flow analyses for parallel programs
- Implement compiler tools using objected oriented programming in Java
- Build test cases
- Analyze performance and write reports
- Prepare public releases and assist users

Research Publications:

Jubair, F., Al-karadsheh, O., Malamos, D., Al-Mahdi, S., Saad, Y., Hassona, Y. “*A novel lightweight deep convolutional neural network for early detection of oral cancer*”, Oral Diseases, 2022

Darabkh, K., Al-Akhras, M., Ala'F, K., Jafar, I., **Jubair, F.**, “*An Innovative RPL Objective Function for Broad Range of IoT Domains Utilizing Fuzzy Logic and Multiple Metrics*”, Expert Systems with Applications, 2022

Darabkh, K., Alkhader, B., Ala'F, K., **Jubair, F.**, Abdel-Majeed, M. “*ICDRP-F-SDVN: An innovative cluster-based dual-phase routing protocol using fog computing and software-defined vehicular network*”, Vehicular Communications, 2022

Saifan, R., **Jubair, F.** “*Six skin diseases classification using deep convolutional neural network*”, International Journal of Electrical & Computer Engineering, 2022

Jubair, F., Salim, N., Al-karadsheh, O., Hassona, Y., Saifan, R., Abdel-Majeed, M. “*Sentiment Analysis for Twitter Chatter During the Early Outbreak Period of COVID-19*”, 4th International Seminar on Research of Information Technology and Intelligent Systems (ISRITI), 2021

Salim, N., **Jubair, F.**, et al. “*Esthetic Dentistry on Twitter: Benefits and Dangers*”, International Journal of Dentistry, 2021

- Aljamal, R., **Jubair, F.** and El-Mousa, A. “*Analyzing the Cost-Effectiveness of Running HPC Applications on Microsoft Azure Virtual Machines*”, IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), 2021.
- Jubair, F.**, Hawa, M. “*Exploiting Obstacle Geometry to Reduce Search Time in Grid-Based Pathfinding*”, Symmetry, 2020
- Aljamal, R., El-Mousa, A. and **Jubair, F.** “*Benchmarking Microsoft Azure Virtual Machines for the use of HPC applications*”, 11th International Conference on Information and Communication Systems (ICICS), Jordan, 2020.
- Aljamal, R., El-Mousa, A. and **Jubair, F.** “*A User Perspective Overview of The Top Infrastructure as a Service and High Performance Computing Cloud Service Providers*”, IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), 2019.
- Hawa, M., **Jubair, F.**, Al-Zubi R., and Saifan R., “*Sensing Device Management for History-Based Spectrum Sharing in Cognitive Radio Networks*”. Wireless Communications and Mobile Computing, 2018.
- Aljamal, R., El-Mousa, A. and **Jubair, F.** “*A comparative review of high-performance computing major cloud service providers*”, 9th International Conference on Information and Communication Systems (ICICS), Jordan, 2018.
- Jubair, F.**, Eigenmann, R. and Midkiff, S., “*The π Compiler: Parallelism-Aware Array Data Flow Analysis for OpenMP*”, LCPC’14: Proceedings of the International Workshop on Languages and Compilers for Parallel Computing, Intel Corporation, Hillsboro, OR, USA, 2014.
- Kwon, O., **Jubair, F.**, Eigenmann, R. and Midkiff, S., “*A Hybrid Approach of OpenMP for Clusters*”, PPOPP’12: ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming, New Orleans, LA, USA, 2012.
- Kwon, O., **Jubair, F.**, Min, S.-J., Bae, H., Eigenmann, R. and Midkiff, S., “*Automatic Scaling of OpenMP Beyond Shared Memory*”, LCPC’11: Proceedings of the International Workshop on Languages and Compilers for Parallel Computing, Fort Collins, CO, USA, 2011.