Brief CV

Name	BASEL ALI MAHAFZAH	中文名		
Gender	Male	**Title** (Pro./Dr.)	Prof	
Position （President…）	Prof	**Country/ Region**	Jordan	
University/ Department	Computer Science Department, King Abdullah II School for Information Technology, The University of Jordan, Amman – Jordan.			
Personal Website	http://computer.ju.edu.jo/Lists/FacultyAcademicStaff/DispDept_Staff.aspx?ID=14&dept=Computer Science&deptName=Computer Science			
Research Area	Parallel & Distributed Computing, High Performance Computing, Computational Data Science, Optoelectronic Architectures, Interconnection Networks, Networking Technologies, Performance Analysis & Evaluation, Theory of Algorithms, Heuristic & Metaheuristic Algorithms, Artificial Intelligence, Big Data,			

Brief introduction of your research experience:

My methodological and theoretical research as well as a considerable portion of my applied and collaborative work addresses parallel and distributed computing on various interconnection networks and optoelectronic architectures. An innovative contribution of my work is the establishment of a new optoelectronic architectures; such as OTIS Hyper Hexa-Cell and Optical Chained-Cubic Tree. I am a strong advocate of multi-disciplinary research. For example, in the area of parallel and distributed computing; where I have seen parallel and distributed algorithms for big data; such as sorting, searching, job scheduling and load balancing spreading and expanding while creating new challenges from the point of view of performance analysis and evaluation on different interconnection networks and optoelectronic architectures. Moreover, I have been involved in many research areas including software testing, genetic algorithms, robotics, big data and data mining, multithreading, artificial intelligence, and cellular automata. For example, in the area of big data and data mining, I presented a new sampling technique for association rule mining, and in the areas of software testing and genetic algorithms, I presented a multiple-population genetic algorithm for branch coverage test data generation, and a new heuristic that can be used to guide automatic test data generation. My research works have been published in wellknown international refereed indexed specialized journals, such as Journal of Supercomputing, Cluster Computing, Telecommunication Systems, Journal of Parallel and Distributed Computing, Computers & Electrical Engineering, International Journal of Parallel, Emergent and Distributed Systems, Journal of Experimental & Theoretical Artificial Intelligence, Journal of Information Science, Software Quality Journal, and IEEE MultiMedia, where these journals are published by well-known publishers, such as Springer, Elsevier, Taylor & Francis, Sage, and IEEE Computer Society. All these journals are indexed by ISI Web of knowledge, Journal Citation Report (JCR), Ulrich's Periodicals Directory, SCOPUS, Science Direct, Google Scholar, etc. Moreover, most of my works have been cited by other researchers. Finally, I received local and international grants for various research and projects in various areas; such as parallel and distributed computing, robotics, and e-learning.