

Samer F. Khasawneh, PhD
Faculty Associate – Operations and Information Management Dept
University of Wisconsin, Madison

PERSONAL INFORMATION:

CONTACT INFORMATION:

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EDUCATIONAL BACKGROUND:

PhD	Computer Science	Kent State University (USA)	August 2012
MSc	Computer Science	The University of Akron (USA)	August 2007
BSc	Computer Science	Al-Yarmouk Uni. (Jordan)	January 2005

PROFESSIONAL EXPERIENCE:

- Faculty Associate – Information Systems: August, 2020 – Present
Department of Operations and Information Management, University of Wisconsin-Madison, USA
- Assistant Professor: Jan. 2018– August, 2020
Department of Computer Science, Walsh University, USA
- Assistant Professor: August 2015– August 2017
Department of Computer Information Systems, Petra University, Jordan
- Assistant Professor: August 2013– August 2015
Department of Computer and Information Sciences, Edgewood College, USA
- Visiting Assistant Professor: August 2012– August 2013
Department of Math and Computer Science, The College of Wooster, USA
- Teaching Assistant / Instructor: Jan 2009 – August 2012
Department of Computer Science, Kent State University, USA
- Teaching Assistant: Sept 2005 – August 2007
Department of Computer Science, The University of Akron, USA

DISSERTATION:

- *A Web-based Lessons Authoring System for Mathematics Education (MLAS).*
- *Advisor:* Prof. Paul S. Wang, a PhD and faculty member from MIT.

RESEARCH INTERESTS:

- Web Programming and Design, Web Security, E-commerce and E-learning, Mobile Computing, Data Analytics, Programming Languages, and Object-Oriented Programming,

AWARDS, FUNDING, AND OTHER SUPPORT:

- Graduate Assistantship, Department of Computer Science, Kent State University, 2008-2012.

- Graduate Scholarship, Department of Computer Science, Kent State University, Fall 2008.
- Graduate Assistantship, Department of Computer Science, The University of Akron. 2005-2007.

PUBLICATIONS:

- S. Khasawneh. The Design and Architecture of MLAS: A Web-based System for Mathematics Education. *Proceedings of the Hawaii International Conference on Education*. January 2019.
- A. Algosaibi, S. Albahli, S. Khasawneh, and A. Melton. Web Evolution – The Shift from Information Publishing to Reasoning. *Proceedings of the International Journal of Artificial Intelligence and Applications (IJAlA)*. November 2017.
- S. Khasawneh, A. Algosaibi. Contributing to Mathematics Lessons Authoring System (MLAS): A Web-based Application Programming Interface. *Proceedings of IARIA conference on building and exploring Web-based Environments (WEB2013)*, pages: 7-12. February 2013.
- S. Khasawneh, P. Wang, Overview of Math Lessons Authoring System (MLAS). *Proceedings of the Computer Supported Education (CSEDU) conference 2012*, pages: 48-54. April 2012.
- T. O’Neil, S. Khasawneh, M. Richter, and R. Pullaguntla. Transforming Synchronous Data-Flow Graphs to Reduce Execution Time. *International Journal of Computers and Their Applications, Vol. 18*, pages: 111-122. June 2011.
- R. Pullaguntla, S. Khasawneh, T. O’Neil, Rotation Scheduling on Synchronous Data Flow Graphs. *Proceedings of the PDPTA 2009*: pages: 263-269, 2009.
- S. Khasawneh, M. Richter, T. O’Neil. Static Scheduling for Synchronous Data Flow Graphs. *Proceedings of the ISCA CATA 2007 22nd international conference*, pages: 38-43. March 2007.

PROFESSIONAL ACTIVITIES:

- Program Committee. International Conference on Computer Supported Education (CSEDU 2020). Online Streaming, May 2020.
- Program Committee. International Conference on Computer Supported Education (CSEDU 2019). Heraklion, Crete – Greece, May 2019.
- Reviewer for the *International Journal of Engineering and Technology*. Reviewed a manuscript titled: “A Modular Cloud-based Ontology Framework for Context-aware EHR Services”
- Program Committee. International Conference on Computer Supported Education (CSEDU 2018). Funchal, Maderia, Portugal, March 2018.
- Program Committee. International Conference on Computer Supported Education (CSEDU 2017). Porto, Portugal, April 2017.
- Program Committee. International Conference on Computer Supported Education (CSEDU 2016). Rome, Italy, April 2016.
- Program Committee. International Conference on Computer Supported Education (CSEDU 2013). Aachen, Germany, May 2013.

PROGRAMMING:

- HTML5, XML, and CSS3 (Bootstrap, Bulma).
- PHP.
- JavaScript
 - jQuery
 - Angular
 - Node.js
 - Express.js
 - Vue.js
- SQL
- ActionScript
- C and C++
- Java
- Python

TEACHING INTEREST:

- Introductory programming and CS courses.
- Data Structures and Algorithms.
- System Analysis, Design, and Implementation.
- Software Engineering.
- Databases.
- Operating Systems.
- Computer Organization and Design.
- Discrete Structures.
- Computer Communication Networks.
- Web Programming/Technologies Courses.
- Topics in Web Security.
- E-commerce and E-Systems.
- Project Management and Senior Capstone.
- Data Analytics Courses.

TEACHING EXPERIENCE:

- Computer Architecture. *Spring'06 and Spring'10*
- *Intro to Computer Science. Fall'07 and Fall'10*
- Data Structure and Algorithms. *Spring'07*
- Discrete Structure. *Spring'09, Spring'18, and Spring'19*
- Animation, Gaming, and 3-D virtual Worlds. *Fall'12 and Spring'13*
- Operating Systems. *Summer'11, Summer'12, Spring'18, and Spring'19*
- Principles of Computer Organization. *Fall'12*
- Theory of Computation. *Spring'13*
- Software Engineering. *Spring'13, Fall'18, Spring'19, and Spring'20*

- Database Systems. *Spring '12, Spring'13, Spring'14, Spring'15, Spring '18, and Spring'20*
- Inf. Systems Analysis and Design. *Fall'13 and Fall'14, Spring'21, and Fall'21*
- Advanced Web Development. *Spring'10 and Spring'11, Fall'13 and Fall'14, Spring'21, Fall'21*
- Web Development. *Fall'11, Fall'13, Fall'14, Spring '15, and Fall'15*
- Information Systems Design and Implementation. *Spring'14 and Spring'15*
- Senior Capstone Project. *Spring'15*
- Intro. to E-Commerce. *Fall'15 and Spring'16*
- Technical Writing. *Fall'15, Spring'16, and Fall'16*
- *Intro. to C/C++ Programming. Fall'16, and Fall'18*
- *Data Warehousing. Fall'16, Spring'17*
- *Unix/Linux. Spring'18, and Fall'18*
- *Senior Seminar. Fall'18*
- *Computer Science Foundation. Fall'19*
- *Data Science. (Developed and Taught in Fall'19)*
- *Intro to Object-Oriented Programming. Spring'20*