

CURRICULUM VITAE

Salah Ta'amneh
Assistant Professor of Computer Science
The Hashemite University

Business Address

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Degrees

University of Houston, Houston, Texas
Ph.D. in Computer Science, December 2016

Prairie View A&M University, Prairie View, Texas
M.S. in Computer Science, July 2011

Jordan University of Science and Technology, Irbid, Jordan
B.S. in Computer Science, August 2005.

Research Interests:

Affective Computing, Human-Computer Interaction, Parallel Computing, and
Machine Learning

Publications:

Paper in Referred journals and conferences

- **Taamneh, Salah,** and Madhar Taamneh. "Evaluation of the Performance of Random Forests Technique in Predicting the Severity of Road Traffic Accidents." *International Conference on Applied Human Factors and Ergonomics. Springer* (pp.840- 847) Cham, 2018.
- Taamneh, Madhar, **Salah Taamneh,** and Sharaf Alkheder. "Clustering-based classification of road traffic accidents using hierarchical clustering and artificial neural networks." *International journal of injury control and safety promotion* 24, no. 3 (2017): 388-395.
- **Taamneh, S.,** Tsiamyrtzis, P., Dcosta, M., Buddharaju, P., Khatri, A., Manser, M., Ferris, T., Wunderlich, R. and Pavlidis, I., 2017. A multimodal dataset for various forms of distracted driving. *Scientific data* 4 (2017), p.170110.
- Taamneh, Madhar, Sharaf Alkheder, and **Salah Taamneh.** "Data-mining techniques for traffic accident modeling and prediction in the United Arab Emirates." *Journal of Transportation Safety & Security* 9, no. 2 (2017): 146-166.
- Alkheder, Sharaf, Madhar Taamneh, and **Salah Taamneh.** "Severity prediction of traffic accident using an artificial neural network." *Journal of Forecasting* 36, no. 1 (2017): 100-108.
- Pavlidis, I., M. Dcosta, **S. Taamneh,** M. Manser, T. Ferris, R. Wunderlich, E. Akleman, and P. Tsiamyrtzis. "Dissecting driver behaviors under cognitive, emotional, sensorimotor, and mixed stressors." *Scientific reports* 6 (2016): 25651.
- **Taamneh, Salah,** Malcolm Dcosta, Kyeong-An Kwon, and Ioannis Pavlidis. "SubjectBook: Hypothesis-Driven Ubiquitous Visualization for Affective Studies." *In Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems,* pp. 1483-1489. ACM, 2016.

- Lu, Yi, **Salahaldeen Taamneh**, and Jamin Ashley. "Implementation of Genetic K-means Algorithm on Iterative MapReduce Framework for Gene Expression Data Clustering." *In proceedings of 25th International Conference on Computer Applications in Industry and Engineering (CAINE-2012)*.

Papers at Abstract Based Conferences

- D. Majeti, **S. Taamneh**, M. Ugur, A. Khatri, and I. Pavlidis, "Insights into computer science academic careers." In Science of Team Science (SciTS) 2016 Conference, Phoenix, Arizona, May 16-19, 2016.
- **S. Taamneh**, M. Dcosta, K. Kwon, and I. Pavlidis. "SubjectBook: Web-based visualization of multimodal affective datasets on the cloud." In Society for Affective Science Conference, Chicago, Illinois, March 17 – 19, 2016.
- **S. Taamneh**, D. Shastri, D. Currie, M. Dcosta, and I. Pavlidis. "What sympathetic responses can tell about children's performance in reading?" In Society for Affective Science Conference, Oakland, California, April 9 – 11, 2015.

Professional Experience:

- **Head of Computer Science Department** at the Hashemite University Sep. 2017- Sep. 2018
- **Assistant professor** of Computer Science at the Hashemite University Jan 2017- present
- **Research Assistant** in the Computational Physiology Lab (CPL) at the University of Houston Aug 2015- Dec 2016
- **Research Intern AT** (Schneider electric), Houston, TX Jun 2015 - Aug 2015
- **Research Intern AT** Invensys (now Schneider), Houston, TX May 2014 – Aug. 2014

- **Teaching Assistant** AT the University of Houston, Houston, TX Jan. 2012 – May 2015. I was a TA for the following courses:
 - Introduction to Computer Science I (COSC 1410, UH) spring, 2015
 - Introduction to Computer Science I (COSC 1410, UH) fall, 2014
 - Introduction to Computer Science II (COSC 1320, UH) spring, 2014
 - Introduction to Computer Science I (COSC 1410, UH) fall, 2013
 - Programming in C (COSC 1304, UH) spring, 2013
 - Computer Architecture (COSC 3330, UH) fall, 2012
 - High Performance Computing (COSC 6365, UH) spring, 2012

- **Teaching Assistant** AT PVAM University, Houston, TX Jan. 2010 – May 2011
 - Computer Science II (COMP1223, PVAMU) spring, 2010- spring, 2011
- **Database Developer** in the computing center AT the Hashemite University- Jordan: Nov. 2006 – Sep 2009

Awards:

- A scholarship from The Hashemite University that covered the expenses of my PhD for two years (2012-2014).
- Best Poster Presentation, UHCS PHD showcase 2014:
- Poster Award, 2nd STEAM Research Symposium, Prairie View A&M University, March, 2011: “Building a private cloud computing environment for high performance applications”

Coursera certificates

- Principles of Reactive Programming(Link)

Technical Training:

Oracle Application Server 10g Workshop: may, 2009. Hashemite University, Jordan.

Oracle Sql tuning workshop: May, 2008. Hashemite University, Jordan.

Oracle Portal workshop: May, 2008. Hashemite University, Jordan.

Computer Skills:

Programming Languages: C, C++, Java, Scala, VB.Net, and C#.Net

Web Programming: HTML, CSS, Java Script, JQuery, Play Framework, ASP.Net MVC.

Mobile Programming: Android.

Network Programming: TCP/IP and UDP

Web services: Spray.io on top of Scala and Akka

Web API: Google Drive API, Google Charts API

Conncurent and distributed programming: Akka, MPI, OpenMP, Java Thread, and POSIX

Database: Sql, Oracle, Mysql, MS SQL server, and Cassandra.

Statistical analysis software: Matlab, and R

Graphics tools: Gnuplot, Adobe Illustraror, GIMP, and Adobe Photoshop.

Operating Systems: Microsoft, and Unix/Lunix systems

Office software: MS Word, MS Excel, and MS Powerpoint

References:

Dr. Ioannis Pavlidis

Title: Professor of Computer Science at the University of Houston

Email: ipavlidis@uh.edu

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Dr. Pradeep Buddharaju

Title: Associate Professor of Computer Science at the University of
Houston – Clear Lake

Email: Buddharaju@UHCL.edu

Telephone: (281) 283-3881

Dr. Dvijesh Shastri

Title: Associate Professor of Computer Science at the University of
Houston – Downtown

Email: djshastr@central.uh.edu