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SUMMARY

Fawaz Alsulaiman is an assistant professor at King Saud University. He obtained his masters and PhD in computer science from University of Ottawa. His field of expertise is machine learning, big data, computer security, and evolutionary computing.

EDUCATION

2013	University of Ottawa, PhD / Computer Science	Ottawa, ON, Canada
2006	University of Ottawa, Master of Computer Science	Ottawa, ON, Canada
2002	King Saud University, Bachelor of Science / Computer Science	Riyadh, Saudi Arabia

PROFESSIONAL EXPERIENCE

2013-Current	Assistant Professor at KSU and independent Researcher affiliated with University of Ottawa, Discover Lab	Riyadh, Saudi Arabia/Ottawa, ON, Canada
2003 –2004	King Saud University Teacher Assistant (TA)	Riyadh, Saudi Arabia
2002 –2003	General Organization for Social Insurance (GOSI) Database Administrator (DBA)	Riyadh, Saudi Arabia

PATENTS

- A. El Saddik, J. Cha, M.A. Eid, F. A. Alsulaiman, A. Alamri, L. Rahal, D.J. Martin. A Synchronous Interpersonal Haptic Communication System. United States Patent US8294557 B1, #12/481,274, October 2012.

PUBLICATIONS

- J. J. Valdes, F. A. Alsulaiman, A. El Saddik. Extreme Learning Machines for approximating nonlinear dimensionality reduction mappings: Applications to Haptics handwritten signature. International Joint Conference on Neural Network (IJCNN). July 2016.
- J. J. Valdes, F. A. Alsulaiman, A. El Saddik. Visualization of Handwritten Signature based on Haptic Information. Recent Advances in Computational Intelligence in Defence and Security. Vol. 621 of Studies of Computational Intelligence. pp.277-307. December 2015.
- J. J. Valdes, F. A. Alsulaiman, A. El Saddik. Haptic handwritten Signature: the effect of deconcentrated dissimilarities on manifold extraction. International Symposium on Haptic Audio-Visual Environments and Games (HAVE). October 2015.
- F. A. Alsulaiman, N. Sakr, J. J. Valdes, A. El Saddik. "Identity Verification based on Handwritten Signature with Haptic Information using Genetic Programming". ACM Transactions on Multimedia Computing, Communications and Applications (ACM TOMCCAP), 9(2), May 2013.
- F. A. Alsulaiman, J. J. Valdes, A. El Saddik. Identity Verification based on Haptic Handwritten Signature: Novel Fitness Functions for GP framework. International Symposium on Haptic Audio-Visual Environments and Games (HAVE). October 2013.
- F. A. Alsulaiman, J. J. Valdes, A. El Saddik. Identity Verification based on Haptic Handwritten Signature: Genetic Programming with Unbalanced Data. IEEE Symposium on Computational Intelligence for Security and Defence Applications (CISDA), Ottawa, ON, Canada, July 2012.
- N. Sakr, F. A. Alsulaiman, J. J. Valdes, A. El Saddik, N.D. Georganas, "Exploring the Underlying Structure of Haptic-based Handwritten Signatures using Visual Data Mining Techniques". IEEE Haptic Symposium 2010, Waltham, MA, USA, March 2010.
- N. Sakr, F. A. Alsulaiman, J. J. Valdes, A. El Saddik, N.D. Georganas, " Relevant Feature Selection and Generation in High Dimensional Haptic-based Biometric Data, " Proc. International Conference on Data Mining (DMIN'09), CSREA Press, Las Vegas, NV, USA, July 2009
- F. A. Alsulaiman, N. Sakr, J. J. Valdes, A. El Saddik, N.D. Georganas, " Feature Selection and Classification in Genetic Programming: Application to Haptic-based Biometric data, " IEEE Symposium on Computational Intelligence for Security and Defence Applications, Ottawa, ON, Canada, July 2009.
- I. Rosa, F. Alsulaiman, M. Orozco, J. J. Valdes, and A. El Saddik, "Characterizing Biometric Behavior through Haptics and Virtual Reality", 42nd IEEE International Carnahan Conference on Security Technology, Prague, Czech Republic, Oct. 13 to 16, 2008.
- F. A. Alsulaiman, J. Cha, and A. El Saddik, "Preliminary Results of a User Identification Using Haptic Information", VECIMS 2008. IEEE International Conference on Virtual Environments, Human-Computer Interfaces, and Measurement Systems, Istanbul - Turkey, 14-16 July 2008.
- F. Alsulaiman, J. Cha, and A. El Saddik, "User Identification based on Handwritten Signatures with Haptic information", In Proc. of the EuroHaptics 2008 conference, June 12-14, Madrid, Spain.
- F. A. Alsulaiman and A. El Saddik, "Three Dimensional Password for More Secure Authentication", IEEE Transactions on Instrumentation and Measurement. 2008. Vol.57, Issue 9, pp. 1929-1938.

- F. A. Alsulaiman, A. Miede and A. El Saddik, "Threshold-based Collaborative Access Control (T-CAC)", in Proc. of 2007 International Symposium on Collaborative Technologies and Systems (CTS 2007), May 2007, Orlando, USA.
- F. A. Alsulaiman and A. El Saddik, "A Novel 3D Graphical Password Schema", In proceedings of the IEEE VECIMS 2006, Spain, July 2006.

LANGUAGES English (Fluent), Arabic (Fluent)

AFFILIATIONS AND MEMBERSHIPS
▪ IEEE; ACM