

Rana Abaalkahil is an Assistant Professor in College of Computer and Information Sciences at King Saud University. She received her PhD and MS in Computer Science from University of Ottawa, Canada. She received her bachelor degree in Computer Science from King Saud University. Her research interests include Semantic we, Ontology, Artificial Intelligent, Smart environment, Energy Saving. She has publications in international journals and conferences.

EMPLOYMENT

King Saud University **2014-Present**
College of Computer and Information Sciences
Information System Department

LANGUAGE SKILLS

Arabic: Native Language
English: Fluent spoken and written

THESIS

PhD Thesis

Ontology Based Framework for Conceptualizing Human Affective States and Their Influences

<https://ruor.uottawa.ca/handle/10393/38418>

Master Thesis

Design and Development of an Intelligent Energy Controller for Home Energy Saving in Heating/Cooling System

<https://ruor.uottawa.ca/handle/10393/20576>

PUBLICATIONS

- 1- Abaalkhail R., Alzamzami F., Aloufi S., Alharthi R., Saddik A.E. (2018) Affectional Ontology and Multimedia Dataset for Sentiment Analysis. In: Basu A., Berretti S. (eds) Smart Multimedia. ICSM 2018. Lecture Notes in Computer Science, vol 11010. Springer, Cham
- 2- Rana Abaalkhail, Benjamin Guthier, Rajwa Alharthi, Abdulmotaleb El Saddik (2018) Survey on Ontologies for Affective States and Their Influences, Semantic Web, vol. 9, no. 4, pp. 441-458

- 3- B. Guthier, R. Abaalkhail, R. Alharthi and A. E. Saddik, "The affect-aware city," *2015 International Conference on Computing, Networking and Communications (ICNC)*, Garden Grove, CA, 2015, pp. 630-636.
- 4- Benjamin Guthier, Rajwa Alharthi, Rana Abaalkhail, and Abdulmotaleb El Saddik. 2014. Detection and Visualization of Emotions in an Affect-Aware City. In *Proceedings of the 1st International Workshop on Emerging Multimedia Applications and Services for Smart Cities (EMASC '14)*. ACM, New York, NY, USA, 23-28.
- 5- R. Abaalkhail, M. Orozco and A. El Saddik, "Home Energy saving for Heating/cooling system by distributed intelligent energy controller," *2012 IEEE International Instrumentation and Measurement Technology Conference Proceedings*, Graz, 2012, pp. 604-609.
- 6- Eric Torunski, Rana Othman, Mauricio Orozco, Abdulmotaleb El Saddik, A Review of Smart Environments for Energy Savings, *Proceedings Computer Science*, Volume 10,2012, Pages 205-214

WORKSHOP:

I attended the following Workshop in The University of Ottawa Provided by Mitacs Step

<https://step.mitacs.ca/en>

and Altitude <http://altitude.uottawa.ca/en>

- Essentials of Productive Teams 2016
- Thesis Writing Seminar for Graduate Research Students 2016
- Critical Thinking 2015
- Getting that Thesis Done! Visual Strategies to Solve Problems and Make Progress. 2015
- how to write scientific paper 2015
- maximizing personal productivity 2015
- project management 1&2 2015
- Social media workshop 2015
- Networking Skills 2015
- Writing Effective Email (Online) 2015
- Clear Writing 2014
- Practice Your Presentation Skills 2014
- Learning by Doing: Innovative Strategies to Engage Students in Large Classes 2014
- MyUOResearch – Science and Engineering – Advance Search and Strategies and Technique 2014
- visual note taking 2014

King Saud University Workshop

- Advance Training of the Trainer (TOT) March 4-7 2019 (IACET)

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Reference

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