

# Saad Alqithami

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salqithami@bu.edu.sa  
+966 53 687 4115  
<http://www.alqithami.com/>

## AFFILIATION AND EXPERIENCE

*Supervisor:* Scholarships and Academic Relations April 2019 - present  
Vice Rectorate for Graduate Studies and Scientific Research, Albaha University, Saudi Arabia  
*Head of Department:* Computer Information System Department April 2018 - Present  
College of Computer Science and Information Systems, Albaha University, Saudi Arabia  
*Faculty Member:* Assistant Professor March 2017 - Present  
Department of Computer Science, Albaha University, Albaha, Saudi Arabia  
*Faculty Member:* Lecturer March 2015 - March 2017  
Department of Computer Science, Albaha University, Albaha, Saudi Arabia  
*Social Networks Analyst and Programmer* March - July 2012  
Department of Computer Science, Southern Illinois University, Carbondale, IL, United States  
*Faculty Member:* Teaching Assistant May 2009 - March 2015  
Department of Computer Science, Albaha University, Albaha, Saudi Arabia

## EDUCATION

**Doctor of Philosophy**, Computer Science December 2016  
Department of Computer Science  
Southern Illinois University, Carbondale, IL United States  
**Master of Science**, Computer Science August 2012  
Department of Computer Science  
Southern Illinois University, Carbondale, IL United States  
**Bachelor of Science**, Computer Science July 2008  
Department of Computer Science  
Taif University, Taif, Saudi Arabia

## PUBLICATIONS

### *Journal Papers:*

- Alqithami, S., Budiarto, R., Alzahrani, M., & Hexmoor, H (2020). Towards Social Capital in a Network Organization: A Conceptual Model and an Empirical Approach. In *Entropy*, 22(5), 519. Multidisciplinary Digital Publishing Institute.
- Alqithami, S., Alzahrani, M., Alzahrani, A., & Mustafa, A. (2019). AR-Therapist: Design and Simulation of an AR-Game Environment as a CBT for Patients with ADHD. In *Healthcare*, 7(4), 146-160. Multidisciplinary Digital Publishing Institute.
- Alqithami, S., & Hexmoor, H. (2014). Modeling emergent network organizations. *Web Intelligence and Agent Systems: An International Journal (WIAS)*, IOS Press, 12(3), 325-339.
- Alqithami, S., & Hexmoor, H. (2014). Plasticity in Network Organizations. *Journal of Advanced Computational Intelligence and Intelligent Informatics (JACIII)*, Fuji Technology Press. 18(4), 567-572.
- Khaleel, M., Alqithami, S., Zhu, M. M., Che, D., & Hou, W. C. (2013). A Cooperative Game Theory-based Approach for Energy-Aware Job Scheduling in Cloud. *International Journal of Computers and Their Applications (IJCA)*, 20(4), 221-235.

### *Book Chapter:*

- Alqithami, S., Haegele, J., & Hexmoor, H. (2014). Conceptual modeling of networked organizations: The case of aum shinrikyo. *Case Studies in Intelligent Computing: Achievements and Trends*, B. Issac & N. Israr (Eds.). CRC Press, Taylor and Francis, 391-406.

Conference Papers:

- Alqithami S., (In press, 2020). Viral Spreading of COVID-19 in Evolving Social Networks: Reflective Measurements. In: Hamid R. Arabnia, et al. (eds). In *the 22<sup>nd</sup> International Conference on Artificial Intelligence*. Transactions on Computational Science & Computational Intelligence: Advances in Artificial Intelligence & Applied Cognitive Computing. Springer, Cham
- Alqithami, S., Alzahrani, M., Alzahrani, A., & Mostafa, A. (2019, December). Modeling an Augmented Reality Game Environment to Enhance Behavior of ADHD Patients. In *International Conference on Brain Informatics*, Haikou, Hainan, China. (LNCS Vol. 11976, pp. 179-188). Springer, Cham.
- Alzahrani, M., Alqithami, S., & Melton, A. (2019, July). Using Client-Based Class Cohesion Metrics to Predict Class Maintainability. In *IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC)*. Milwaukee, WI, USA. (Vol. 1, pp. 72-80). IEEE.
- Alqithami, S., & Hexmoor, H. (2015, June). Ubiquity of Network Organizations: Paradigmatic Perspective and Synergistic Effect\*, In *the International Conference on Collaboration Technologies and Systems (CTS)*. Atlanta, GA USA. (pp. 98-105). IEEE.
- Alqithami, S. (2015, June). Architectonic Elucidation for a Network Organization, In *the International Conference on Collaboration Technologies and Systems (CTS)*. Atlanta, GA USA. (pp. 464-467).
- Alqithami, S. (2015, May). A Reference Model for a Networked Organization, In *the International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS)*. Istanbul, Turkey. (pp. 1981-1982).
- Alqithami, S. (2015, January). A Succinct Conceptualization of the Foundations for a Network Organization Paradigm, In *the twenty-ninth AAAI conference on Artificial Intelligence (AAAI)*. Austin, Texas, USA. (pp. 4140-4141).
- Alqithami, S., & Hexmoor, H. (2014, June). Social Capital in Network Organizations, In *the twenty-eighth AAAI conference on Artificial Intelligence (AAAI)*. Quebec, Canada. (pp. 3090-3091).
- Alqithami, S., & Hexmoor, H. (2013, April). Qualities of Interest for Spontaneous Networked Organizations, In *AASRI Conference on Intelligent Systems and Control*, 4, Vancouver, Canada. (pp. 118-124).
- Hamdi, M., Alqithami, S., & Hexmoor, H. (2013). On the core of agents interactions in a spontaneous networked organization. In *AASRI Conference on Intelligent Systems and Control*, 4, Vancouver, Canada. (pp. 147-153).
- Alqithami, S., & Hexmoor, H. (2012, October). Spontaneous Organizations: Collaborative Computing Model of a Networked Organization. In *the 8th IEEE International Conference on Collaborative Computing: Networking, Applications and Work-sharing (Collaborative Communities for Social Computing)*. Pittsburgh, PA, USA. (pp.643-650).
- Alqithami, S., & Hexmoor, H. (2012, September). Social capital in virtual organizations. In *the 4th International Conference on Intelligent Networking and Collaborative Systems (INCoS)*. Bucharest, Romania. (pp.682-687).
- Alqithami, S., & Hexmoor, H. (2012, July). Rapid Adaptation in Computational Organizations. In *the International Conference on Artificial Intelligence (IC-AI)*. Las Vegas, NV USA. (pp. 342-347).

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\*Nominated for an outstanding paper award

#### Workshop and Magazine Papers:

- Alqithami, S., Alzahrani, M., Alghamdi, F., Budiarto, R., & Hexmoor, H. (2019, July). A Measurement of Social Capital in an Open Source Software Project. In *International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRIMS)*. Washington DC, USA.
- Alqithami, S. (2016). Network Organization Paradigm. *AI Matters*, 2(4), 16-17. ACM.
- Alqithami, S., & Hexmoor, H. (2016, March). Measuring Synergy from Benevolence in a Network Organization. In *multiagent interaction without prior coordination workshop (MIPC) at the 30<sup>th</sup> AAAI Conference on Artificial Intelligence*. Phoenix, AR USA. (pp. 538 - 545).
- Alqithami, S. (2015, May). Network Organization Paradigm: Synergistic Effect on the Productivity of a Collaborative Organization. In *the 3rd collaborative online organizations workshop in conjunction with 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2015)*. Istanbul, Turkey. (pp. 6-14).
- Alqithami, S., & Haegele, J. (2014, May). Evaluation of the Utility Function in Terrorist Organizations. In *the Second Collaborative Online Organizations workshop in conjunction with the 13th International Conference on Autonomous Agents and Multiagent Systems*. Paris, France. (pp. 15-22).
- Alqithami, S., & Hexmoor, H. (2013, May). Introduction to Plasticity in Network Organizations. In *the collaborative online organizations workshop in conjunction with the 12th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS)*. Saint Paul, MN USA. (pp. 32-36).

#### Edited Volumes:

- Alqithami, S., & Lützenberger, M. (Eds.). (2017). Internet of Agents: Proceeding of the second international workshop. São Paulo, Brazil.
- Alqithami, S., Haifeng, Z., & Hexmoor, H. (Eds.). (2016). Internet of Agents: Proceeding of the first international workshop. Omaha, NE USA.
- Alqithami, S., & Hexmoor, H. (Eds.). (2016). Networked agents of complex online organisations [Special issue]. *International Journal of Computational Intelligence Studies*, 5(2).
- Alqithami, S., & Hexmoor, H. (Eds.). (2015). Collaborative online organizations: Proceeding of the third Autonomous Agents and Multiagent Systems workshop. Istanbul, Turkey.
- Alqithami, S., & Hexmoor, H. (Eds.). (2014). Collaborative online organizations: Proceeding of the third Autonomous Agents and Multiagent Systems workshop. Paris, France.
- Alqithami, S., Hexmoor, H., Dignum, F., & Matson, E. (Eds.). (2013). Collaborative online organizations: Proceeding of the first Autonomous Agents and Multiagent Systems workshop. St. Paul, MN USA.

#### GRANTS

- **PI:** Albaha University Seeding Fund Received: Oct. 2018 - Ends: Jan. 2020  
**Title:** “An Intelligent Cognitive Modeling for Enhancing the Behavior of Children with ADHD using a Mixed Reality Environment”

#### ACADEMIC ACTIVITIES

- Program committee member of the 3rd International Conference on Computer Information Science and Application Technology (CISAT 2020). Dali, China: July 2020.
- Program committee member of the 13th International Symposium on Intelligent Distributed Computing (IDC 2019). Saint-Petersburg, Russia: October 2019.
- Co-chair of a workshop on Acculturating Research and Publication for young researchers, CSIT at Albaha University: December 2017.
- Co-chair of the 2nd international workshop on the Internet of Agents (IoA), organized in conjunction with 16th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2017). São Paulo, Brazil: May 2017.

- Co-chair of the 1st international workshop on the Internet of Agents (IoA), organized in conjunction with the conference of Web Intelligence. Omaha, NE USA: October 2016.
- Program committee member of the International Joint Conference of Artificial Intelligence (IJCAI). New York, USA: July 2016.
- Co-chair of the Collaborative Online Organizations workshop, organized in conjunction with the International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS): May 2013, 2014 and 2015.
- Organizing Committee of the 2<sup>nd</sup> International Conference on Computational and Network Technologies, 2014.
- Reviewer for multiple journals:
  - IEEE Intelligent Systems 2011 – Present
  - IEEE Transactions on Computational Intelligence and AI in Games 2014
  - International Journal of Automation and Computing, Springer 2013 - Present
  - Journal of Experimental & Theoretical Artificial Intelligence, T&F 2013 - Present
  - IEEE Transactions on Computational Social Systems 2020
- Reviewer for several local and international conferences and workshops (e.g. IJCAI'16, IoA, COOS, ISCI, PRIP, ISWTA, etc.)
- Professional memberships: ACM, IEEE, AAAI, IAENG, KES and SSPI.