

## **Dr. Ahmed Ahmed**

### **Education**

- Ph.D., Computer Science, University of Saskatchewan, 2017
- MS., Computer Science, Cairo University, 2011
- B.E., Computer Science, Cairo University, 2007

### **Academic experience**

- Prairie View A&M University; Assistant Professor; 2017-present; Full time
- University of Saskatchewan; Lecturer and Research Assistant; 2012-2017; Part time
- Cairo University; Lecturer and Research Assistant; 2009-2012; Part time

### **Non-academic experience**

- None

### **Certifications or professional registrations**

- None

### **Current membership in professional organizations**

- IEEE and ACM

### **Honors and awards**

- 1<sup>st</sup> Place at the Research Week Creative Activities Display in PVAMU 2019. Given a monetary award of \$500.
- Principal Investigator. \$5,000. “Building a Scout Drone for Corrasion Detection in Pipeline Systems.” Awarded by Bechtel Corporation. September 2018– August 2019.
- Principal Investigator. \$5,000. “Designing of a Managed Inventory Tag Generation Web Application.” Awarded by Bechtel Corporation. September 2018– August 2019.
- Principal Investigator. \$20,000. “An Approach for Supporting Distributed Sensor-Based Services.” Awarded by Prairie View A&M University under the Faculty Research Development Grant Program, January 2018– August 2018.

### **Service activities (within and outside of the institution)**

- Judge, Student Research Symposium at PVAMU, 2019.
- Reviewer, Faculty Research Development Grant Program at PVAMU, 2019.
- Department Representative, Google Tech-X Program Graduation Ceremony, 2019.
- Department Representative, Senior Day on the Hill, 2018 and 2019.
- Department Representative, Qualcomm Student Accelerator Conference, 2018.
- Student Research Supervisor, supervised many graduate students for these master’s projects

### **Most important publication and presentations from the past five years**

- Ahmed Abdelmoamen Ahmed, Abel Olumide, Adeoluwa Akinwa and Mohamed Chouikha. “A Robotic Scout UAV for Mapping Dynamic Environments at Bechtel Corporation.” In Proceedings of the National Conference for Industry and Education Collaboration (CIEC '20), pages 1–19, Orlando, USA, 2020, to appear.
- Ahmed Abdelmoamen Ahmed, Abel Olumide, Adeoluwa Akinwa and Mohamed Chouikha. “Constructing 3D Maps for Dynamic Environments using Autonomous UAVs.” In Proceedings of the EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous '19), pages 504–513, Houston, USA, 2019.
- Ahmed Abdelmoamen Ahmed. “A Model and Middleware for Composable IoT Services.” In Proceedings of the International Conference on Internet Computing & IoT (ICOMP' 19), pages 108–114, Las Vegas, USA, 2019.
- Ahmed Abdelmoamen Ahmed and Tochukwu Eze. “An Actor-Based Runtime Environment for Heterogeneous Distributed Computing.” In Proceedings of the International Conference on Parallel & Distributed Processing (PDPTA' 19), pages 37–43, Las Vegas, USA, 2019.
- Ahmed Abdelmoamen Ahmed and Nadeem Jamali. “A Model for Representing Mobile Distributed Sensing-Based Services.” In Proceedings of the IEEE International Conference on Services Computing (SCC'18), pages 282–286, San Francisco, USA, 2018.
- Ahmed Abdelmoamen Ahmed. “A Modular Approach to Programming Multi-Modal Sensing Applications.” In Proceedings of the IEEE International Conference on Cognitive Computing (ICCC '18), pages 91–98, San Francisco, USA, 2018.
- Ahmed Abdelmoamen Ahmed, Dezhong Wang, Nadeem Jamali. “Approaching Actor-Level Resource Control for Akka.” In Proceedings of the IEEE Workshop on Job Scheduling Strategies for Parallel Processing (JSSPP '18), pages 1–15, Vancouver, Canada, 2018.
- Ahmed Abdelmoamen Ahmed, Nadeem Jamali. “An Actor-Based Middleware for Crowd-Sourced Services.” *EAI Endorsed Transactions*, vol. 17, pages 1–15, 2017.
- Ahmed Abdelmoamen Ahmed, Nadeem Jamali. “Opportunistic Sharing of Continuous Mobile Sensing Data for Energy and Power Conservation.” *IEEE Transactions on Services Computing (TSC)*, vol. PP, no. 99, pp. 1–14. doi: 10.1109/TSC.2017.2705685, 2017.

### **Most recent professional development activities**

- Attended the NSF Workshop for Proposal Writing at CFTTC 2018 in Biloxi, Mississippi.
- Attended a Training Session at PVAMU for Learning about ABET Assessment Strategies.
- Attended an 8-month Intensive Course for Teaching Excellence at the University of Saskatchewan, 2017.