NOTRE DAME UNIVERSITY
LOUAIZE
جامعة سيدة اللويزة
GAUDIUM DE VERITATE

Pierre A. Akiki, Ph.D.
Associate Professor
Chairperson, Department of Computer Science
O: FNAS 1.18
T: 09 218 950, Ext. 2117
E: pakiki@ndu.edu.lb

Biography

Pierre A. Akiki received a Ph.D. in Computing from The Open University, United Kingdom. He received an M.Sc. and a B.Sc. in Computer Science from Notre Dame University - Louaize (NDU), Lebanon. He also received an M.Sc. in International Business from Bordeaux Management School (now KEDGE Business School), France, and an M.B.A. from NDU through a joint program. Pierre is an Associate Professor of Computer Science and Chairperson of the Department of Computer Science at NDU. Previously, he had worked as a part-time computer science instructor and as a full-time software engineer focusing on enterprise systems. Pierre's research work is related to software engineering and human-computer interaction. His research interests particularly include adaptive model-driven interactive software systems, end-user software development, the internet of things, and enterprise applications. He has reviewed and published research papers in esteemed journals and conferences. Further information can be found at: www.pierreakiki.com

Peer-reviewed Journals

International

- Pierre A. Akiki and Hoda W. Maalouf, 2021. CHECKSUM: Tracking Changes and Measuring Contributions in Cooperative Systems Modeling. In Software and Systems Modeling, Springer, 20(4), pp. 1079–1122.
- Pierre A. Akiki, Paul A. Akiki, Arosha K. Bandara, and Yijun Yu, 2020. EUD-MARS: End-User Development of Model-Driven Adaptive Robotics Software Systems. In Science of Computer Programming, Elsevier, 200, pp. 102534.
- Pierre A. Akiki, 2019. To var or not to var: how do C# developers use and misuse implicit and explicit typing? In Software Quality Journal, Springer, 27(3), pp. 1175–1207.
- Pierre A. Akiki, 2019. Generating Contextual Help for User Interfaces from Software Requirements. In IET Software, 13(1), IET, pp. 75–85.
- Pierre A. Akiki, 2018. CHAIN: Developing Model-Driven Contextual Help for Adaptive User Interfaces. In Journal of Systems and Software, Elsevier, 135, pp. 165–190.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2017. Visual Simple Transformations: Empowering End-Users to Wire Internet of Things Objects. In ACM Transactions on Computer-Human Interaction (TOCHI), ACM, 24(2), pp. 10:1–10:43.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2016. Engineering Adaptive Model-Driven User Interfaces. In IEEE Transactions on Software Engineering, IEEE, 42(12), pp. 1118–1147.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2014. Adaptive Model-Driven User Interface Development Systems. In ACM Computing Surveys (CSUR), ACM, 47(1), pp. 9:1–9:33.

Peer-reviewed Conference Proceedings

Local

- Pierre A. Akiki and Hoda W. Maalouf, 2008. Extending Relational Database Management Systems to Support Spatial Data. In Proceedings of Current Trends in the Theory and Applications of Computer Science (CTTACS 2008), Notre Dame University – Louaize, Zouk Mosbeh, Lebanon, pp. 15–32.

International

- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2014. Integrating Adaptive User Interface Capabilities in Enterprise Applications. In Proceedings of the 36th International Conference on Software Engineering (ICSE 2014), Hyderabad, India, ACM/IEEE, pp. 712–723.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2013. RBUIS: Simplifying Enterprise Application User Interfaces through Engineering Role-Based Adaptive Behavior. In Proceedings of the 5th ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS 2013), London, United Kingdom, ACM, pp. 3–12 Best Paper Award.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2013. Crowdsourcing User Interface Adaptations for Minimizing the Bloat in Enterprise Applications. In Proceedings of the 5th ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS 2013), London, United Kingdom, ACM, pp. 121–126.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2013. Cedar Studio: An IDE Supporting Adaptive Model-Driven User Interfaces for Enterprise Applications. In Proceedings of the 5th ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS 2013), London, United Kingdom, ACM, pp. 139–144.
- Pierre A. Akiki, 2013. Engineering Adaptive User Interfaces for Enterprise Applications. In Proceedings of the 5th ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS 2013), London, United Kingdom, ACM, pp. 151–154.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2013. Preserving Designer Input on Concrete User Interfaces Using Constraints While Maintaining Adaptive Behavior. In Proceedings of the 2nd Workshop on Context-Aware Adaptation of Service Front-Ends (CASFE 2013), London, United Kingdom, CEUR-WS.org , pp. 9–16.
- Pierre A. Akiki, Arosha K. Bandara, and Yijun Yu, 2012. Using Interpreted Runtime Models for Devising Adaptive User Interfaces of Enterprise Applications. In Proceedings of the 14th International Conference on Enterprise Information Systems (ICEIS 2012), Wroclaw Poland, SciTePress, pp. 72–77.

Chapters in Books

International

- Pierre A. Akiki, 2010. Devising a New Model Driven Framework for Developing GUI for Enterprise Applications. In Information Systems Development – Towards a Service Provision Society, Springer, Chapter 28, pp. 269–278.
- Pierre A. Akiki and Hoda W. Maalouf, 2010. Incorporating Spatial Data into Enterprise Applications. In Information Systems Development – Towards a Service Provision Society, Springer, Chapter 72, pp. 695–704.

Esteemed Indicators

- Visiting Research Fellow in Computing at The Open University, U.K.

CV

http://www.pierreakiki.com