



- 1. Name and Academic rank:** Abdallah Al Sabbagh, Assistant Professor, Full time
- 2. Education: Degrees, discipline, institution and date:**
 - Ph.D., Telecommunication Engineering, University of Technology Sydney, 2013.
 - Master of Engineering Studies, Telecommunication Networks, University of Technology Sydney, 2010.
 - B.S., Information Technology and Computing, Arab Open University, 2006.
- 3. Academic experience**
 - Beirut Arab University, Assistant Professor, 2022-present, full time
 - Lebanese International University, Assistant Professor, 2018- 2022, full time.
 - University of Technology Sydney, Assistant Professor, 2014- 2016, full time.
- 4. Non academic experience – company or entity, title, brief description of position, when (ex. 1993-1995), full time or part time**
 - MobiNetS SAL Offshore, Telecom Delivery Engineer Lead, 2016- 2018, full time.
 - ZAJIL International Telecom, Pre-Sales Engineer, 2007- 2008, full time.
 - Technology Touches, Project Manager, 2006- 2007, full time.
- 5. Certification or professional Registration**
 - Australasian Association for Engineering Education (AAEE)
 - Engineers Australia
 - IEEE ComSoc Radio Communications Committee
- 6. Current membership in professional organizations**
 - IEEE Member
- 7. Honors and Awards:**
 - Australian Patent (AU2013100801), A Hybrid Radio Resource Allocation Method for Multiple Wireless Access Networks, innovation patent, granted in July 2013.
 - Australian Patent (AU2013100806), A Radio Resource Allocation Method for Wireless Sensors in Body Area Networks, innovation patent, granted in July 2013.
 - Teaching Fellowships Awards, School of Computing and Communications, University of Technology Sydney, 2012.
 - Trailblazer Finalist Awards, for the project titled: “Smart Mobile Communication for the Fourth Generation (4G)”, Australia, 2012.
 - UTS Doctoral Scholarships Awards, University of Technology Sydney, 2010.



8. Service activities

- 2022 – Current, Counselor for the IEEE BAU-Tripoli Student Branch.
- 2022 – Current, Member of Research Committee, Faculty of Engineering, BAU-Tripoli.
- 2022 – 2023, Member of Quality Assurance Committee, Faculty of Engineering, BAU-Tripoli.
- 2014 – Current, Member of Editorial Board of the Journal of Advanced Computer Science & Technology (JACST), ISSN: 2227-4332.
- 2014 – Current, Member of International Advisory Board of the Indian Streams Research Journal, ISSN: 2230-7850.
- 2014 – Current, Member of Editorial Board of the International Journal of Information Science, ISSN: 2163-1921.
- 2012 – Current, Reviewer for the Australian Journal of Electrical & Electronics Engineering (AJEEE), ISSN: 2205-362X.

9. Principal publications and presentations from the last five years:

9.1 Textbook Chapters

- A. AL Sabbagh, R. Braun and M. Abolhasan, “Centralized and Distributed CRRM in Heterogeneous Wireless Networks”, in Advanced Methods and Applications in Computational Intelligence, Topics in Intelligent Engineering and Informatics, vol. 6, Springer International Publishing, Switzerland 2014, pp. 299-314.
- P. Papatwibul, A. Banjar, A. AL Sabbagh and R. Braun, “An Intelligent Model for Distributed Systems in Next Generation Networks”, in Advanced Methods and Applications in Computational Intelligence, Topics in Intelligent Engineering and Informatics, vol. 6, Springer International Publishing, Switzerland 2014, pp. 315-334.

9.2 Journal Publications

- P. Papatwibul, A. Banjar, A. AL Sabbagh and R. Braun, “A Comparative Review: Accurate OpenFlow Simulation Tools for Prototyping,” Journal of Networks, vol. 10, no 5, May 2015, pp. 322-327.
- A. AL Sabbagh, R. Braun and M. Abolhasan, “Performance Analysis of the Intelligent Mobility Optimization CRRM Approach Using a Markovian Chain Model,” Journal of Networks, vol. 9, no 3, March 2014, pp. 635-644.
- A. AL Sabbagh, R. Braun and M. Abolhasan, “Intelligent Hybrid Cheapest Cost and Mobility Optimization RAT Selection Approaches for Heterogeneous Wireless Networks,” Journal of Networks, vol. 9, no 2, February 2014, pp. 297-305.



- A. Banjar, P. Papatwibul, A. AL Sabbagh and R. Braun, "Using an ICN Approach to Support Multiple Controllers in OpenFlow," *International Journal of Electrical & Computer Sciences (IJECS)*, vol. 14, no 2, April 2014, pp. 1-6.
- A. AL Sabbagh, R. Braun and M. Abolhasan, "A Comprehensive Survey on RAT Selection Algorithms for Heterogeneous Networks," *World Academy of Science, Engineering and Technology (WASET)*, no. 73, January 2011, pp. 141-145.
- A. AL Sabbagh, "A Markov Chain Model for Load-Balancing Based and Service Based RAT Selection Algorithms in Heterogeneous Networks," *World Academy of Science, Engineering and Technology (WASET)*, no. 73, January 2011, pp. 146-152.

9.3 Conference Proceedings

- A. AL Sabbagh, P. Papatwibul, A. Banjar and R. Braun, "Optimization of the OpenFlow Controller in Wireless Environments for Enhancing Mobility," in *13th IEEE International Workshop on Wireless Local Networks (WLN'13)*, in conjunction with the *38th IEEE Conference on Local Computer Networks (LCN 2013)*, Sydney, Australia, October 21-24, 2013.
- P. Papatwibul, A. Banjar, A. AL Sabbagh and R. Braun, "Developing an Application Based on OpenFlow to Enhance Mobile IP Networks," in *13th IEEE International Workshop on Wireless Local Networks (WLN'13)*, in conjunction with the *38th IEEE Conference on Local Computer Networks (LCN 2013)*, Sydney, Australia, October 21-24, 2013.
- A. AL Sabbagh, R. Braun and M. Abolhasan, "An Intelligent Power Efficient RAT Selection Approach in Future Wireless Networks," in *FEIT Research Showcase 2013*, University of Technology, Sydney (UTS), Sydney, Australia, June 12, 2013.
- A. AL Sabbagh, R. Braun and M. Abolhasan, "A Power Efficient RAT Selection Algorithm for Heterogeneous Wireless Networks," in *2012 International Symposium on Communications and Information Technologies (ISCIT 2012)*, Gold Coast, Australia, October 2-5, 2012, pp. 997-1002.
- A. AL Sabbagh, R. Braun and M. Abolhasan, "A Mobility Optimization CRRM Approach for Next Generation Wireless Networks," in *2012 International Conference on Computer & Information Science (ICCIS 2012)*, Kuala Lumpur, Malaysia, June 12-14, 2012, pp. 609-613.
- A. AL Sabbagh, R. Braun and M. Abolhasan, "An Intelligent RAT Selection Approach for Mobility Optimization in Heterogeneous Wireless Networks," in *FEIT Research Showcase 2012*, University of Technology, Sydney (UTS), Sydney, Australia, June 13, 2012.



- A. AL Sabbagh, R. Braun and M. Abolhasan, “Interaction of Radio Resource Management in Heterogeneous Wireless Networks,” in 1st Australian Conference on the Applications of Systems Engineering (ACASE'12), Sydney, Australia, February 6-8, 2012, pp. 34-35.
- A. P. Papatwibul, A. AL Sabbagh, A. Banjar and R. Braun, “Distributed Systems in Next Generation Networks,” in 1st Australian Conference on the Applications of Systems Engineering (ACASE'12), Sydney, Australia, February 6-8, 2012, pp. 32-33.
- A. Rafiei, A. AL Sabbagh and R. Braun, “Adaptive Relay in Wireless Body Area Network,” in 1st Australian Conference on the Applications of Systems Engineering (ACASE'12), Sydney, Australia, February 6-8, 2012, pp. 122-123.
- A. Rafiei, A. AL Sabbagh and R. Braun, “Ubiquity of Body Area Networks in Large Environments,” in 1st Australian Conference on the Applications of Systems Engineering (ACASE'12), Sydney, Australia, February 6-8, 2012, pp. 124-125.
- A. AL Sabbagh, R. Braun and M. Abolhasan, “Common Radio Resource Management Strategies in Next Generation Wireless Networks,” in FEIT Research Showcase 2011, University of Technology, Sydney (UTS), Sydney, Australia, June 15, 2011, pp. 7-8.
- A. AL Sabbagh, R. Braun and M. Abolhasan, “A Comprehensive Survey on RAT Selection Algorithms for Beyond 3G Networks,” in International Conference on Communications, Networking and Mobile Computing (ICCNMC 2011), Dubai, UAE, January 25-27, 2011, pp. 834-838.
- A. AL Sabbagh and R. Braun, “A Markovian Model for Load-Balancing Based and Service Based Algorithms in B3G Networks,” in International Conference on Communications, Networking and Mobile Computing (ICCNMC 2011), Dubai, UAE, January 25-27, 2011, pp. 827-833.
- A. Rafiei and A. AL Sabbagh, “A Network Recovery Strategy Scheme Based on Network Failure Scenarios and Topologies,” in 2010 International Conference on Communication and Vehicular Technology (ICCVT 2010), Hanoi, Vietnam, December 30-31, 2010.
- L. Wu, A. E. AL Sabbagh, K. Sandrasegaran, M. ElKashlan and C.-C. Lin, “Performance Evaluation on Common Radio Resource Management Algorithms,” in 24th IEEE International Conference on Advanced Information Networking and Applications Workshops (WAINA 2010), Perth, Australia, April 20-23, 2010, pp. 491-495.
- L. Wu, A. E. AL Sabbagh, K. Sandrasegaran and M. ElKashlan, “A User Level Markov Model for Service Based CRRM Algorithm,” in International Conference on Multimedia



Computing and Information Technology (MCIT 2010), Sharjah, U.A.E, March 2nd-4th, 2010, pp. 41-44.

- L. Wu, A. E. AL Sabbagh, K. Sandrasegaran and M. El Kashlan, “A User Level Markov Model for Load Balancing Based RAT Selection Algorithm,” in 8th International Information and Telecommunication Technologies Symposium (I2TS 2009), Florianópolis, Santa Catarina State, Brazil, December 09-11, 2009.

10. Professional development activities in the last five years

- Completed CCNA Security Instructor course by Cisco, 2020.
- Completed CCNAv7: Enterprise Networking, Security, and Automation Instructor course by Cisco, 2020.
- Completed CCNA Cybersecurity Operations Instructor course by Cisco, 2019.