

CONTACT
INFORMATION

Fahad Bin Sultan University
College of Engineering
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CURRENT
POSITION

Fahad Bin Sultan University, Tabuk, KSA.
➤ Assistant Professor

Fall 2014-2015 – Present

EDUCATION

American University of Beirut, Beirut, Lebanon.

September, 2009 – February, 2014

- Ph.D., Electrical and Computer Engineering.
 - Major Area: Electromagnetics and RF Circuits and Systems.
 - Minor Area: Communications and Signal Processing.

Dissertation Title: “Filter-Antennas and RF Front-End Sensing Receiver for Cognitive Radio Applications”.

- Exchange Doctoral Scholar (October, 2010 – October, 2013)

Supervised by Prof. Christos G. Christodoulou at the Electrical and Computer Engineering Department of **The University of New Mexico, Albuquerque, NM, USA.**

American University of Beirut, Beirut, Lebanon.

June, 2006 – October, 2008

- M.E., Electrical and Computer Engineering.
 - Major Area: Electromagnetics and RF Circuits and Systems.
 - Minor Area: Communications and Signal Processing.

Thesis Title: “A Reconfigurable U-Koch Microstrip Antenna for Wireless Applications”.

Islamic University of Lebanon, Khaldeh, Lebanon.

October, 2000 – July, 2005

- B.E., Computer and Communication Engineering.

WORK
EXPERIENCE

- Postdoctoral Fellow at the ECE Department of the American University of Beirut (February, 2014 – August, 2014).
- Visiting Research Scholar, with research duties in Cognitive Radio, at the ECE Department of The University of New Mexico (October, 2010 – October, 2013).
- Teaching Assistant in various ECE courses at the American University of Beirut (September, 2009 – June, 2010).
- Research Assistant, with research duties in Antenna Design, at the ECE Department of the American University of Beirut (July, 2008 – September, 2009).
- Teaching Assistant in various ECE courses at the American University of Beirut (September, 2006 – June, 2008).

RESEARCH
INTERESTS

- Bioelectromagnetics.
- RF energy harvesting.
- Reconfigurable antennas and RF systems for cognitive radio applications.
- Antennas for software-defined radio and MIMO applications.
- Design and applications of antenna arrays.
- Microwave engineering and RF electronic circuits design.

HONORS AND AWARDS

- Best Paper Award, The Second International Conference on Advances in Computational Tools for Engineering Applications (ACTEA'2012), Zouk Mosbeh, Lebanon, 12-15 December 2012.
- Rathmann Family Foundation Ph.D. Fellowship, 2010.
- The Abdul Hadi Debs Endowment Award for Academic Excellence, 2008.
- Graduated with distinction from the Islamic University of Lebanon, 2005.

RESEARCH EXPERIENCE

American University of Beirut, Beirut, Lebanon.

- Fractal-shaped reconfigurable antennas (2007-2008).
- UWB antennas (2008-2009).
- Reconfigurable antennas (2009-2010).
- Antenna arrays (2009-2010).
- RF Energy Harvesting (2013-Present).
- Bioelectromagnetics (2017-Present).

The University of New Mexico, Albuquerque, NM, USA.

- Reconfigurable antennas for underlay cognitive radio applications (2010-2011).
- Tunable filter-antennas for overlay cognitive radio applications (2011-2012).
- Frequency-tunable with Pattern or polarization diversity antennas for cognitive radio applications (2012-2013).
- Tunable RF front-end sensing receiver for overlay cognitive radio applications (2012-Present).

TEACHING EXPERIENCE

American University of Beirut, Beirut, Lebanon.

- Electric Circuits, Analog Signal Processing, Electronics, Electric Circuits Laboratory, Engineering Electromagnetics, and Systems Integration Laboratory.

Fahad Bin Sultan University, Tabuk, KSA.

- Introduction to Electrical Engineering, Electric Circuits I, Electric Circuits II, Signals and Systems, Engineering Electromagnetics, Electromagnetic Waves and Transmission, MATLAB for Engineers, Electronics Laboratory, Radio Frequency Laboratory, Communication Systems, Final Year Project I/II, and Special Topics in Electrical Engineering.

PROFESSIONAL MEMBERSHIPS AND SERVICES

- Lebanese Order of Engineers and Architects Member.
- IEEE Member.
- IEEE Antennas and Propagation Society Membership.
- IEEE Microwave Theory and Techniques Society Membership.
- IEEE Engineering in Medicine and Biology Society Membership.
- IEEE Young professionals Membership.
- IEEE AWPL (Antennas and Wireless Propagation Letters) Reviewer.
- PIER (Progress In Electromagnetics Research) Reviewer.

ATTENDED WORKSHOPS

- “Flipping Your Classroom” Workshop, Fahad Bin Sultan University, April 25, 2015.
- “Assessment of Learning Outcomes” Workshop, Fahad Bin Sultan University, 21-22 October 2015.

CO-SUPERVISED THESES

- Mahmoud Abdallah, “Rectennas for Wide Range RF Power Harvesting”, Electrical and Computer Engineering Department, Faculty of Engineering and Architecture, American University of Beirut, Defended on December 17, 2015. A Ph.D. candidate, Queen’s University, Canada.

- Aline Eid, “Multiport RF Energy Harvesters”, Electrical and Computer Engineering Department, Faculty of Engineering and Architecture, American University of Beirut, Defended on June 9, 2017. A Ph.D. candidate, Georgia Tech, USA.
- Moussa Bteich, “Design of a Microwave Sensor for Non-Invasive Blood Glucose Monitoring”, Electrical and Computer Engineering Department, Faculty of Engineering and Architecture, American University of Beirut, Ongoing.

SKILLS

- ANSYS HFSS.
- Keysight ADS.
- CST Microwave Studio.
- MATLAB/Simulink.
- Antennas/RF circuits Fabrication and Measurement.

EXTRA CURRICULAR ACTIVITIES

- Languages: Fluent in English and Arabic.
- Hobbies: Cooking and Reading.

LIST OF PUBLICATIONS

➤ Book Chapter(s)

B2— Lise Safatly, **Ali H. Ramadan**, Mohammed Al-Husseini, Youssef Nasser, Karim Y. Kabalan, and Ali El-Hajj, “Tunable RF Front-ends and Robust Sensing Algorithms for Cognitive Radio Receivers,” In *Handbook of Research on Software-Defined and Cognitive Radio Technologies for Dynamic Spectrum Management*, ed. Naima Kaabouch and Wen-Chen Hu, 2015.

B1— **Ali Ramadan**, Mohammed Al-Husseini, Ali El-Hajj, and Karim Y. Kabalan, “Fractal-shaped Reconfigurable Antennas,” in *Microstrip Antennas*, ISBN 978-953-307-368-2, *INTECH Open Source Publisher*, 2011.

➤ Journal Paper(s)

J8— Joseph Costantine, Aline Eid, Mahmoud Abdallah, Youssef Tawk and **Ali H. Ramadan**, “A Load Independent Tapered RF Harvester,” *IEEE Microwave and Wireless Components Letters*, Vol. 27, no. 10, pp. 933-935, October 2017.

J7— **Ali H. Ramadan**, Joseph Costantine, Mohammed Al-Husseini, Karim Y. Kabalan, Youssef Tawk, and Christos G. Christodoulou, “Tunable Filter-Antennas for Cognitive Radio Applications,” *Progress In Electromagnetics Research B*, Vol. 57, pp. 253-265, 2014.

J6— **Ali H. Ramadan**, Joseph Costantine, Youssef Tawk, Christos G. Christodoulou, and Karim Y. Kabalan, “Frequency-Tunable and Pattern Diversity Antennas for Cognitive Radio Applications,” *International Journal of Antennas and Propagation*, Vol. 2014, Article ID 638627, 2014.

J5— Mohammed Al-Husseini, Lise Safatly, **Ali Ramadan**, Ali El-Hajj, and Karim Y. Kabalan, “Reconfigurable Filter Antennas for Pulse Adaptation in UWB Cognitive Radio Systems,” *Progress In Electromagnetics Research B*, Vol. 37, pp. 327-342, 2012.

J4— Mervat A. Madi, Mohammed Al-Husseini, **Ali Ramadan**, Karim Y. Kabalan, and Ali El-Hajj, “A Reconfigurable Cedar-Shaped Microstrip Antenna for Wireless Applications,” *Progress In Electromagnetics Research C*, Vol. 25, pp. 209-221, 2012.

J3— Mohammed Al-Husseini, **Ali Ramadan**, Youssef Tawk, Ali El-Hajj, and Karim Y. Kabalan, “Design and Ground Plane Optimization of a CPW-Fed UWB Antenna,” *Turkish Journal of Electrical Engineering and Computer Sciences*, Vol. 19, No. 2, pp. 243-250, 2011.

J2— **Ali H. Ramadan**, Karim Y. Kabalan, Ali El-Hajj, Shahwan Khoury, and Mohammad Al-Husseini, “A Reconfigurable U-Koch Microstrip Antenna for Wireless Applications”, *Progress In Electromagnetics Research*, PIER 93, pp. 355-367, 2009.

J1— Jean J. Saade and **Ali H. Ramadan**, “Control of Thermal-Visual Comfort and Air Quality in Indoor Environments Through a Fuzzy Inference-Based Approach”, *International Journal of Mathematical Models and Methods in Applied Sciences*, Vol. 2, No. 2, pp. 213-221, 2008.

➤ Conference Paper(s)

C42— Aline Eid, Jimmy Hester, Abdullah Nauroze, Tong-Hong Lin, Joseph Costantine, Youssef Tawk, **Ali H. Ramadan**, Manos Tentzeris, “A Flexible Compact Rectenna for 2.4GHz ISM Energy Harvesting

Applications,” Accepted in *The 2018 IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting (IEEE AP-S/URSI’2018)*, Boston, MA, USA, 8-13 July, 2018.

C41— Aline Eid, Joseph Costantine, Youssef Tawk, Mahmoud Abdallah, **Ali H. Ramadan** and Christos G. Christodoulou, “Multi-port RF energy harvester with a tapered matching network,” *The 2017 IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting (IEEE AP-S/URSI’2017)*, pp. 1611-1612, San Diego, CA, USA, 9-14 July 2017.

C40— Aline Eid, Joseph Costantine, Youssef Tawk, **Ali H. Ramadan**, Mahmoud Abdallah, Rena ElHajj, Rayan Awad, and Ingrid Kasbah, “An Efficient RF Energy Harvesting System,” *The 11th European Conference on Antennas and Propagation (EuCAP’2017)*, pp. 896-899, Paris, France, 19-24 March 2017.

C39— Mahmoud Abdallah, Joseph Costantine, **Ali H. Ramadan**, Youssef Tawk, and Christos G. Christodoulou, “A New Rectifier Topology with Enhanced Operable Power Range,” *The 2016 IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (IEEE-APWC’2016)*, pp. 82-84, Cairns, Australia, 19-23 September 2016.

C38— Mahmoud Abdallah, Joseph Costantine, **Ali H. Ramadan**, Youssef Tawk, and Christos G. Christodoulou, “A New RF Rectifier for Energy Harvesting with Enhanced Dynamic Power Range,” *The 2016 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (IEEE AP-S/URSI’2016)*, pp. 605-606, Fajardo, Puerto Rico, June 26 - July 1 2016.

C37— **Ali H. Ramadan**, Joseph Costantine, Youssef Tawk, Karim Y. Kabalan, and Christos G. Christodoulou, “A Reconfigurable RF Front-End Receiver for Autonomous Spectrum Sensing Cognitive Radios,” *The 10th European Conference on Antennas and Propagation (EuCAP’2016)*, pp. 1-2, Davos, Switzerland, 10-15 April 2016.

C36— Mahmoud Abdallah, Joseph Costantine, **Ali H. Ramadan**, Youssef Tawk, Firas Ayoub, Christos G. Christodoulou, and Karim Y. Kabalan, “Wide Power Range RF Energy Harvesting Circuit,” *The 2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (IEEE AP-S/URSI’2015)*, pp. 1296-1297, Vancouver, British Columbia, Canada, 19-24 July 2015.

C35— **Ali H. Ramadan**, Karim Y. Kabalan, Joseph Costantine, Youssef Tawk, and Christos G. Christodoulou, “A Tunable Filtenna for Cognitive Radio Applications,” *The 9th European Conference on Antennas and Propagation (EuCAP’2015)*, pp. 1-2, Lisbon, Portugal, 13-17 April 2015.

C34— **Ali H. Ramadan**, Joseph Costantine, Karim Y. Kabalan, Youssef Tawk, Christos G. Christodoulou, and Mohammed Al-Husseini, “A Tunable RF Front-end Receiver for Cognitive Radio Applications,” *The 2014 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (IEEE AP-S/URSI’2014)*, pp. 1212-1213, Memphis, Tennessee, USA, 6-12 July 2014.

C33— **Ali H. Ramadan**, Joseph Costantine, Karim Y. Kabalan, Youssef Tawk, Christos G. Christodoulou, and Mohammed Al-Husseini, “A Polarization Diverse Tunable Filtenna for Cognitive Radio Applications,” *The 2014 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (IEEE AP-S/URSI’2014)*, pp. 1455-1456, Memphis, Tennessee, USA, 6-12 July 2014.

C32— Joseph Costantine, Saud Saeed, **Ali H. Ramadan**, Karim Y. Kabalan, Youssef Tawk, and Christos G. Christodoulou, “A MIMO Based Meandered Line Antenna for Mobile Devices,” *The 2014 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (IEEE AP-S/URSI’2014)*, pp. 673-674, Memphis, Tennessee, USA, 6-12 July 2014.

C31— Ali H. Ramadan, Joseph Costantine, Youssek Tawk, Mohammed Al-Husseini, Christos G. Christodoulou, and Karim Y. Kabalan, “A Research Vision on Cognitive Radio Filter-antennas,” *The 8th European Conference on Antennas and Propagation (EuCAP’2014)*, pp. 3654-3656, The Hague, The Netherlands, 6-11 April 2014.

C30— Youssek Tawk, Joseph Costantine, **Ali H. Ramadan**, Karim Y. Kabalan, and Christos G. Christodoulou, “A Reconfigurable Feeding Network,” *The 8th European Conference on Antennas and Propagation (EuCAP’2014)*, pp. 1534-1536, The Hague, The Netherlands, 6-11 April 2014.

C29— Abdullah Haskou, **Ali Ramadan**, Mohammed Al-Husseini, Ferhad Kassem, Karim Y. Kabalan, and Ali El-Hajj, “A Simple Estimation and Verification Technique for the Electrical Characterization of Textiles,” *The 2012 Middle East Conference on Antennas and Propagation (MECAP’2012)*, pp. 1-4, Cairo, Egypt, 29-31 December 2012.

C28— Ferhad Kassem, Mohammed Al-Husseini, **Ali Ramadan**, Abdullah Haskou, Karim Y. Kabalan, and Ali El-Hajj, “A Compact Quad-band Metamaterial-Based Antenna for Wireless Applications,” **Best Paper Award**, *The Second International Conference on Advances in Computational Tools for Engineering Applications (ACTEA’2012)*, pp. 120-123, Zouk Mosbeh, Lebanon, 12-15 December 2012.

C27— Mohammed Al-Husseini, **Ali Ramadan**, Ali El-Hajj, and Karim Y. Kabalan, “A Reconfigurable Antenna Based on an Ultrawideband to Narrowband Transformation,” *The 32nd Progress in Electromagnetics Research Symposium (PIERS’2012)*, pp. 550-553, Moscow, Russia, 19-23 August 2012.

C26— Mohammed Al-Husseini, **Ali Ramadan**, Ali El-Hajj, and Karim Y. Kabalan, “A Tunable Filter Antenna for Cognitive Radio Systems,” *The 2012 IEEE AP-S International Symposium on Antennas and Propagation (IEEE AP-S’2012)*, pp. 1-2, Chicago, Illinois, USA, 8-14 July 2012.

C25— Ali H. Ramadan, Mohammed Al-Husseini, Youssek Tawk, Joseph Costantine, Christos G. Christodoulou, Karim Y. Kabalan and Ali El-Hajj, “A Frequency-Tunable Pattern Diversity Antenna for Cognitive radio Applications,” *The 2012 National Radio Science Meeting (NRSM’12)*, Boulder, Colorado, USA, 4-7 January 2012.

C24— Ali Ramadan, Youssek A. Tawk, Mohammed Al-Husseini, Joseph Costantine, Christos G. Christodoulou, Karim Y. Kabalan and Ali El-Hajj, “A Narrowband Frequency-Tunable Antenna for Cognitive radio Applications,” *The 6th European Conference on Antennas and Propagation (EuCAP’2012)*, pp. 3273-3277, Prague, Czech Republic, 26-30 March 2012.

C23— Mohammed Al-Husseini, **Ali Ramadan**, Maria Elizabeth Zamudio, Christos Christodoulou, Ali El-Hajj and Karim Kabalan, “A UWB Antenna Combined with a Reconfigurable Bandpass Filter for Cognitive Radio Applications,” *The 2011 IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (IEEE APWC’2011)*, pp. 902-904, Torino, Italy, 12-16 September 2011.

C22— Ali Ramadan, Georgios Atmatzakis, Mohammed Al-Husseini, Christos G. Christodoulou, Karim Y. Kabalan, and Ali El-Hajj, “A Directional Polarization-reconfigurable Microstrip Antenna,” *The 2011 International Conference on High Performance Computing & Simulation (HPCS’2011)*, pp. 739-743, Istanbul, Turkey, 3-8 July 2011.

C21— Mohammed Al-Husseini, **Ali Ramadan**, Youssef Tawk, Christos G. Christodoulou, Ali El-Hajj, and Karim Y. Kabalan, “Design Based on Complementary Split-ring Resonators of an Antenna with Controllable Band Notches for UWB Cognitive Radio Applications,” *The 2011 IEEE AP-S International Symposium on Antennas and Propagation and the 2011 USNC/URSI National Radio Science Meeting*, pp. 1522-3965, Spokane, WA, USA, 3-8 July 2011.

C20— Mohammed Al-Husseini, **Ali Ramadan**, Christos G. Christodoulou, Karim Y. Kabalan, and Ali El-Hajj, “A Novel Printed Diversity Antenna for WiMAX Applications,” *The 2011 IEEE AP-S International Symposium on*

Antennas and Propagation and the 2011 USNC/URSI National Radio Science Meeting, pp. 2212-2214, Spokane, WA, USA, 3-8 July 2011.

C19— Mohammed Al-Husseini, **Ali Ramadan**, Youssef Tawk, Christos G. Christodoulou, Karim Y. Kabalan, and Ali El-Hajj, “A Planar Ultrawideband Antenna with Multiple Controllable Band Notches for UWB Cognitive Radio Applications,” *The 5th European Conference on Antennas and Propagation (EuCAP’2011)*, pp. 375-377, Rome, Italy, 11-15 April 2011.

C18— **Ali Ramadan**, Mohammed Al-Husseini, Karim Y. Kabalan, Ali El-Hajj, and Christos G. Christodoulou, “A Polarization Reconfigurable Slot Antenna,” *The 5th European Conference on Antennas and Propagation (EuCAP’2011)*, pp. 402-404, Rome, Italy, 11-15 April 2011.

C17— Lama Mokalled, Mohammed Al-Husseini, **Ali Ramadan**, Karim Y. Kabalan, and Ali El-Hajj, “Design of a Frequency Reconfigurable Microstrip Antenna Using Matching Stubs,” *The 29th Progress in Electromagnetics Research Symposium (PIERS’2011)*, pp. 839-843, Marrakesh, Morocco, 20-23 March 2011.

C16— Nadeen Rishani, **Ali Ramadan**, Mohammed Al-Husseini, Karim Y. Kabalan, and Ali El-Hajj, “A Circularly Polarized Microstrip Antenna Array with a Binomial Distribution Based on Wilkinson Power Dividers,” *The 29th Progress in Electromagnetics Research Symposium (PIERS’2011)*, pp. 565-568, Marrakesh, Morocco, 20-23 March 2011.

C15— **Ali Ramadan**, Mohammed Al-Husseini, Karim Y. Kabalan, and Ali El-Hajj, “A Circularly Polarized Decagonal Slot Antenna,” *The 2010 International Conference on High Performance Computing & Simulation (HPCS’2010)*, pp. 545-548, Caen, France, 28 June-2 July 2010.

C14— Mohammed Al-Husseini, Joseph Costantine, **Ali Ramadan**, Christos G. Christodoulou, Karim Y. Kabalan, and Ali El-Hajj, “Ultrawideband Antennas with Switchable Band Notch Using Complementary Split-ring Resonators,” *The 2010 International Conference on High Performance Computing & Simulation (HPCS’2010)*, pp. 560-563, Caen, France, 28 June-2 July 2010.

C13— Joseph Costantine, Mohammed Al-Husseini, **Ali Ramadan**, Christos G. Christodoulou, Karim Y. Kabalan, and Ali El-Hajj, “Complexity Reduction of a Reconfigurable U-Koch Microstrip Antenna Using Graph Models,” *The 2010 IEEE AP-S International Symposium on Antennas and Propagation and the 2010 USNC/URSI National Radio Science Meeting*, pp. 1-4, Toronto, ON, Canada, 11-17 July 2010.

C12— **Ali Ramadan**, Mohammed Al-Husseini, Youssef Tawk, Karim Y. Kabalan, and Ali El-Hajj, “A Novel Frequency/Pattern-Reconfigurable Microstrip Antenna for WLAN Applications,” *The 4th European Conference on Antennas and Propagation (EUCAP’2010)*, pp. 1-3, Barcelona, Spain, 12-16 April 2010.

C11— **Ali Ramadan**, Karim Y. Kabalan, Ali El-Hajj, Shahwan Khoury, and Mohammad Al-Husseini, “A Frequency-Selective U-Koch Monopole-Type PCB Antenna for Wireless Applications,” *The 4th European Conference on Antennas and Propagation (EUCAP’2010)*, pp. 1-5, Barcelona, Spain, 12-16 April 2010.

C10— Mohammed Al-Husseini, **Ali Ramadan**, Youssef Tawk, Ali El-Hajj, and Karim Y. Kabalan, “Design and Ground Plane Consideration of a CPW-Fed UWB Antenna,” *Proceedings of The 6th International Conference on Electrical and Electronics Engineering (ELECO’2009)*, pp. II-151–II-153, Bursa, Turkey, 5-8 November 2009.

C9— **Ali Ramadan**, Mohammed Al-Husseini, Ali El-Hajj, and Karim Y. Kabalan, “Design of a Small Printed Monopole Antenna for Ultra-wideband Applications,” *Proceedings of The 6th International Conference on Electrical and Electronics Engineering (ELECO’2009)*, pp. II-154–II-156, Bursa, Turkey, 5-8 November 2009.

C8— Ali Ramadan, Mohammed Al-Husseini, Karim Y. Kabalan, and Ali El-Hajj, “A Small-sized Reconfigurable Antenna for Ultra-wideband, C-band and X-band Operation,” *Proceedings of The 6th International Conference on Electrical and Electronics Engineering (ELECO’2009)*, pp. II-157–II-160, Bursa, Turkey, 5-8 November 2009.

C7— Ali Ramadan, Mohammad Al-Husseini, Karim Kabalan, and Ali El-Hajj, “A Reconfigurable PCB Antenna for WiMAX, C-band and X-band Operation,” *Proceedings of The 2009 International Conference on Advances in Computational Tools for Engineering Applications (ACTEA’2009)*, pp. 200-202, Zouk Mosbeh, Lebanon, 15-17 July 2009.

C6— Ali Ramadan, Mohammed Al-Husseini, Karim Y. Kabalan, Ali El-Hajj, and Joseph Costantine, “A Compact Sierpinski-Carpet-Based Patch Antenna for UWB Applications,” *Proceedings of The 2009 IEEE AP-S International Symposium on Antennas and Propagation and 2009 USNC/URSI National Radio Science Meeting*, pp. 1-4, Charleston, South Carolina, USA, 1-5 June 2009.

C5— Ali Ramadan, Mohammed Al-Husseini, Karim Y. Kabalan, and Ali El-Hajj, “Design Using FEM and MoM of an Ultra-wideband Microstrip Antenna Based on a Modified Sierpinski Carpet,” *Proceedings of The 26th National Radio Science Conference (NRSC’2009)*, pp. B16-1–B16-6, Cairo, Egypt, 17-19 March 2009.

C4— Mohammed Al-Husseini, **Ali Ramadan**, Ali El-Hajj, and Karim Kabalan, “Design of a Compact and Low-Cost Fractal-Based UWB PCB Antenna,” *Proceedings of The 26th National Radio Science Conference (NRSC’2009)*, pp. B24-1–B24-8, Cairo, Egypt, 17-19 March 2009.

C3— Mohammed Al-Husseini, **Ali Ramadan**, Ali El-Hajj, and Karim Kabalan, “A Reduced-Size Low-Cost Microstrip Antenna for PCS/3G/WLAN/WiMAX and UWB applications,” *Proceedings of The 5th IEEE-GCC Conference (IEEE-GCC’2009)*, pp. 1-3, Kuwait City, Kuwait, 17-19 March 2009.

C2— Ali Ramadan, Mohammed Al-Husseini, Ali El-Hajj, and Karim Kabalan, “A 2×2.5 cm² Low-Cost PCB Antenna for UWB Applications,” *Proceedings of The 5th IEEE-GCC Conference (IEEE-GCC’2009)*, pp. 1-4, Kuwait City, Kuwait, 17-19 March 2009.

C1— Jean J. Saade and **Ali H. Ramadan**, “Fuzzy Inference-Based Control Approach for Thermal- Visual Comfort and Air Quality in Indoor Environments,” *Proceedings of The 8th WSEAS International Conference on Robotics, Control and Manufacturing Technology*, pp. 173-180, Hangzhou, China, 6-8 April 2008.

LIST OF REFERENCES

Christos G. Christodoulou, IEEE Fellow

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