

Professor Mohammed Saleh Hussein Al Salameh أ.د. محمد صالح حسين آل سلامه CURRICULUM VITAE, 2024

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Status: married, Nationality: Jordanian, Place of birth: Zarga, Jordan

EDUCATION

Prof. Al Salameh completed all his degrees with honors.

- 1. 1993, Ph.D. in Electrical Engineering, University of Ottawa, Canada (Accumulative average A⁺). Specialization: Electronic Interference/ Compatibility. Title of Dissertation: "Computer Modeling of Electromagnetic Interference, Radiation, and Crosstalk in Electronic Systems".
- 2. 1989, M.Sc. in Electrical Engineering (Electronics Specialization), Jordan University of Science and Technology. Accumulative average: Excellent 93.4 %; Ranked the first in the department. Thesis title: "Acousto-Electric Interactions between Two Oppositely Propagating Surface Acoustic Waves"
- 3. 1984, B.Sc. in Electrical Engineering (Communications and Electronics Specialization), University of Jordan. Accumulative average: Excellent 84.5%, ranked the first in the specialization of Communications and Electronics.
- 4. 1979, General Secondary Certificate, Zarqa, Jordan (Average: Excellent 94.9 %).

TEACHING EXPERIENCE

- ❖ Professor, Jordan University of Science and Technology, 2004-Now
- Professor, American University of Madaba, 2014-2018
- Obtained Full Professor rank, Jordan University of Science and Technology, 2004
- ❖ Associate Professor, Hashemite University, Zarqa, 2000/2001
- * Associate Professor, Jordan University of Science and Technology, 1999-2004
- Obtained Associate Professor rank, Jordan University of Science and Technology, 1999
- ❖ Assistant Professor, Jordan University of Science and Technology, 1993-1999
- ❖ Teaching and Research Assistant, University of Ottawa, Canada (1991-1993)
- Instructor, Department of Electrical Engineering, Yarmouk University, Irbid, Jordan (1984 1985)

PRACTICAL EXPERIENCE

- Pilot License conferred by Civil Aviation Regulatory Commission in Jordan.
- Senior Researcher for 3 years at the Royal Military College of Canada, Kingston (1999-2001)
- Planning & Design Engineer, Telecommunications Corporation (now Orange), Amman, Jordan (1985-1990)
- Worked with the Swedish experts in developing a 5-year plan for telecommunications in Jordan
- Worked at ABB Corporate Research Center, Electronics and Robotics, Västerås, Sweden
- Worked at Jordan Radio and Television Corporation, Engineering department, Amman
- Training for several months in Tokyo, Japan (1986) on Optical fiber systems, Digital Telephone Exchanges, and Telephone networks

ADMINISTRATIVE EXPERIENCE

- Dean of Scientific Research, American University of Madaba, 2015
- Assistant Dean of Engineering, 2003/2004, Jordan University of Science and Technology
- President of Graduate Students' Association (GSAED) / Electrical Engineering, University of Ottawa (92-93)
- Vice-Chairman and Speaker of the organizing committee for all the Scientific Days of the Faculty of Engineering, Jordan University of Science and Technology
- Speaker and member of the organizing committee for the Meeting of the Deans of Arab universities held at Jordan University of Science and Technology
- Participated in setting accreditation standards, for the Ministry of Higher Education

- Member and head of many national committees
- Head of accreditation committees Higher Education Accreditation Commission
- Head of many committees at the Jordan University of Science and Technology
- Member of the Computer Committee of the Faculty of Engineering, University of Ottawa (1992-1993).
- Delegate of Students in Electrical Engineering Council, University of Ottawa (1991-1992).

COURSES TAUGHT

Graduate Courses:

- Advanced Electromagnetic Compatibility (EMC)
- Special Topics in Wireless Communications
- Antennas and Radiowave Propagation
- Electromagnetic Waves and Radiation Systems
- Applied Mathematics for Engineers

Undergraduate Courses:

Electromagnetic courses

- Electromagnetic Compatibility (EMC)
- Radiowave Propagation and Antennas
- Radiowave Propagation
- Special topics in Electrical Engineering: Introduction to EMI/EMC
- Special topics in Electrical Engineering: Method of Moments (MoM) with Applications to Electromagnetics
- Antennas and Arrays
- Electromagnetics I
- Electromagnetics II

Electronics courses

- Electronics I
- Electronics II
- Digital Electronics
- Communication Electronics
- Power Electronics
- Microwave Electronics
- Microwave Electronics Laboratory
- Electronics Laboratory I
- Electronics Laboratory II
- Digital Electronics Laboratory
- Communication Electronics Laboratory

Other courses

- Numerical Analysis
- Linear Algebra
- Electric Circuits I
- Electric Circuits II
- Circuits and Electronics for Non-Electrical Engineers
- Probability and Random Variables
- Signals and Systems
- Measurements and Instrumentation
- Introduction to Electrical Engineering (for non-EE students)
- Circuits Laboratory

- Instrumentation and Measurements Laboratory
- Analogue Communications Laboratory
- Digital Communications Laboratory

GRADUATE STUDENTS (MSc and PhD students)

Prof. Al Salameh has supervised and graduated several graduate students including:

- Mohammad Khaldoon Kreishan, "Multi-objective swarm intelligence optimization of high-voltage transmission lines to maximize power, avoid corona and minimize losses, cost, electric field, and magnetic field," 2023
- Malak Rifat Al-Zughool, "Image Theory Based Model for the Electric Field and Solutions for the Electric and Magnetic Fields of High-Voltage Direct Current Submarine Bipolar Cable," 2023
- Lujain Bilal Al Hazaimeh, "Genetic Algorithm Optimization of the Parameters of High Voltage Power Transmission Lines Based on the Emitted Electromagnetic Fields," 2021
- Sama Mohamad Kher Abd ALrahman Alnemrawi, "Rearranging Overhead Power Transmission Lines' Conductors using Ant Lion Optimization to Minimize the Electromagnetic fields," 2021
- Basma Akram Musa, "Solutions to protect drones from electromagnetic interference due to lightning strikes and reduce radar cross section using COMSOL simulation software," 2022
- Mahendrakumar Subramaniam, PhD dissertation, "Investigation on performance testing of smart antenna in wireless Ad Hoc networks," 2019
- V. Anandi, PhD dissertation, "Ivestigation on design and implementation of arithmetic modules," 2015
- Muneer Al Zoubi, "Cellular communications propagation model for Irbid," 2014
- S. Kumaran M, PhD dissertation, "Some investigations on energy efficiency and reliable transmission in wireless sensor networks," 2014
- Majdi Mohammed Khair Ababneh (20093024008), "Printed circuit board (PCB) design with minimum cross-talk between adjacent traces using swarm intelligence," 2012.
- Yazan Mahmoud (20063024010), "Signal strength prediction at mobile inside building in macrocellular wireless communication systems by ray-tracing techniques", 2010
- Maysa Hassouneh (20073024022), "Rearranging overhead power transmission lines conductors using swarm intelligence technique to minimize the electromagnetic fields", 2010
- Raed Daraghmeh, "Analysis of Shielding Effectiveness of Chambers to Reduce Interaction of Transmitter Stations with Humans by Finite Element Method", 2009
- Omar Al Ani (20063024011), "Optimization of magnetic field produced by overhead power transmission lines", 2009.
- Said Taha (20063024006), "Electromagnetic Non-Destructive Evaluation (NDE) by Finite-Element Neural Networks", 2009.
- Eyad T. Al Zuraiqi, "Solutions to Electromagnetic Compatibility Problems Using Artificial Neural Networks Representation of Vector Finite Element Method", Graduated: July 2006.
- Mahmoud Mohammed Qasaymeh (20013024021), thesis title: "Improved Model for Building Blockage in Satellite Mobile Communication Systems", graduated: Jan. 2003.
- Said Mohammed Makki (20013024007), thesis title: "Sloutions of Electromagnetic Problems Using Finite Edge Element Method with Perfectly Matched Layer", graduated: Nov. 2003.
- Lotfi Abd Al-Kareem Hannosh, Student no.: 98024614, thesis title: "Finite Element Method Solutions to Radiating Structures", graduated 2002.
- Ahmed Mahmood Olaimat, Student no.: 97024616, thesis title: "Method of Moments Modeling of Integrated Circuits Cylindrical Interconnects", graduated 2001.
- Anwar Hasan Jarandal, Student no.: 98024613, thesis title: "Propagation Model for Mid Earth Orbit (MEO) Satellite Mobile Communication", graduated 2001.
- Rafe' Khalaf Al-Asem, Student no.: 98024608, thesis title: "Artificial Neural Networks Approach to Finite Elements Modelling of Problems in Electromagnetic Engineering", graduated 2001.
- Salem Abd Al-Kareem Al Khawaldeh, student No.: 96024605, thesis title: "Infinite Elements Solutions to Optical Fibers", graduated in Jan 1999.
- Osama Oqlah Faris Faris, student No.: 95024619, thesis title: "Method of Moments Solutions to Integrated Circuits Interconnects", graduated on June 1998.

- Murwan Rakad Naji Owais, student No.: 95024605, thesis title: "Finite Element Solutions to Optical Fibers", graduated on Jan 1998.
- Mahmoud Mousa Hussein Al-Nimer, thesis title: "Scattering Analysis of Two Dimensional Multi-Objects Using Finite Difference Time-Domain Method", graduated on Aug 1996.

B.Sc. GRADUATION PROJECTS

Dr. Al Salameh has supervised graduation projects of many students including:

- Mohammed Mahmoud Al-Shirsh, 120392, and Mohammed Majdi Salameh, 99283, "Buried metal detector," June-2023.
- Boshra Amjad Awwad, 108120, "Wireless Power Transmission," May 2019
- Yara Yaser Hamarneh (American University of Madaba), 1310033, "Triceps strength prediction device," June 2018
- Deema Hayel Tashman, 20090024042, "Telemedicine device"
- Islam Mohammed Tanash, 20090024049, "Telemedicine device"
- Hasna Mohammed Asmeer, 20090024065, "Wide band cell phone jammer device using embedded systems"
- Razan Khaled Hantooli, 20092024063, "Wide band cell phone jammer device using embedded systems"
- Hamza Farhan Al Hammad, 20090024110, "Protection of Human Head from Cell Phone Radiations"
- Shatha Oasem Abu Khait, 20062024094, "Protection of Human Head from Cell Phone Radiations"
- Majd Aldin Obeidat, Islam Masaadeh, Fall 2012, "Smart home solar system"
- Ahmad Bataineh, Fall 2011, "AM radio receiver"
- Zaid Mahmoud Al Kayyali, and Abd Al Kareem Abu Sal, Fall 2011, "Dual GSM jammer device"
- Maher Kamel Rommaneh, 2009, "GSM jammer device"
- Asma M. K. Al Ibbini, 2008, "Electric Dipole Fractal antennas"
- Naser A. Algura'n, 2008, "Magnetic Dipole Fractal antennas"
- Ghofran K. Bani Younis, 2008, "Fractal antennas"
- June 2007: Rakan F. Gharaybeh (20020024078) and Yousef M. Bustami (20020024010), Wajdi Nawafleh (20022024095) and Mohammed Mare'I (20020024030), Ahmad M. Misha'I (20030024082).
- June 2006: Maher Al-Lahham (20010024104), Yazan Al-Haj Hasan (20010024084), Eyad Al-Sa'ideah (20000024070), Emad Rahhal (20039024011), Hussain Al-Hammuri (20002024013), Hashem Al-Nimri (20000024037).
- 2005, Waleed Nabil Metry Bannoura (20002024011)
- Dec 2005: Eyad Allow (20012024031), Haitham Abd-Elkamel (20000024052), Jawad Ahmed (20002024008)
- June 2005: Almuatazz Bellah Alameer (992024027), Mahmoud Al-Ayedi (20010024106)
- June 2004: Ahmad Mousa Ayoub (990024020), Labeeb Tammam Shawaf (992024020), Anas Mohammad Mizher (992024065), Audeh Mousa El-Wheidi (20000024015).
- Jan 2004: Salah Khalil Salah(990024007), Omar Younis Hanandeh (980024005), Nabil Sami Marji (990024099)
- May 2003: Ahmad Zidan Salhah (982024036), and Eyas Hasan Abdulhadi (98024044)
- Jan 2003: Moh'd K. Al-Bashity (980024031), Mohanad Faisal Rababa'h (980024011), and Zeidan Z. Al-Jamal (980024008)
- June 2000: Naheel Abdel Moti Qudan (95024002), Ali Salah Al-Jitawi (95024118), Ziad Hamad Bani-Khalid (95024034), Osama Kayed Bani Melhim (95024128).
- Jan 2000: Salman Ibraheem Oleimat (94024020), Baha' Ahmad Suliman (95024057)
- June 99: Basem M. Al-Hassoun(94024088), Nasser A. Jaradat (94024047)
- Feb 99: Mohammad Daoud Sughayyer(94024094); Bilal Isa Al-masri(94024039)
- June 98: Shadi Ahed Sit-Aboha; Samir Abd Al-Fattah Al-Nabulsi(93024120); Abdalluh Muneer Alrimawi (93024047)
- Jan 1998: Hasan Ali Mohammed Borhan(92024112)
- June 97: Sari Nasr Zeineh(92024049); Mohammad Ahmad Hudeib(91024051)
- Jan 97: Yazeed Hisham Ababeneh(91024021)
- June 96 : Shadi Amin Khudairi(91024076); Firyal Mohammed Ghuzlan(89024064)
- June 95: Majid Mahmood Khdier (90024052)

HONORS & AWARDS

- Royal prize from the late king Hussein of Jordan for obtaining the first academic rank of master program graduates in Electrical Engineering, Jordan University of Science & Technology, 1989
- Biographical record in "Who's Who in the World", Sixteenth Edition, 1999
- Promotion to Senior Member Grade in IEEE, April 2004
- Scholarship for outstanding students to pursue PhD studies through Canadian International Development Agency

RESEARCH INTERESTS

Dr. Al Salameh research interests include electromagnetic compatibility EMI/EMC, bioelectromagnetics, minimization of human exposure to fields and radiations, Nuclear EMP interaction, coupling and shielding, crosstalk, satellite communications, neural networks, optical fibers and integrated optical waveguides, unconventional microstrip circuits, dielectric resonator antennas (DRAs), radar sensing, printed circuit boards, VLSI interconnects, and computer modeling for real-world problems. He is also developing numerical methods, such as the finite element method, finite difference method, and method of moments, for practical EMI/EMC applications.

Prof. Al Salameh is an expert in the field of the health effects of electromagnetic energy.

Scopus Author Identifier: 6603635222

M. S. H. Al Salameh

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ACADEMIC ACTIVITIES & CIVIL SERVICE

Prof. Al Salameh has the talent of public speaking, and he was, and is, involved in various activities such as:

- Organized a global course between Oakland University in USA, and the American University of Madaba in Jordan, Fall 2015
- Member of the Disciplinary Appellate Council for all faculty members at the American University of Madaba, 2016-2018
- Member of the Disciplinary Council for all faculty members at the American University of Madaba, 2016-2018
- Head of the committee for accrediting electrical engineering department, Middle East University, Aug 2015
- Head of the scientific research committee in the faculty of engineering
- Reviewer for promotion of professors outside Jordan
- Head of many committees for promotion of professors both inside and outside the country
- Head of the scientific research committee in the department of electrical engineering
- Committee for increasing the capacity of the faculty of engineering at the Princess Sumaya University for Technology, 2012
- Member of the Faculty of Engineering Council
- Head of the faculty of engineering committee for collaboration with the industry
- Head of the committee for courses equalization in the faculty of engineering
- Head of the higher education committee at the Department of Electrical Engineering
- Vice-Chairman and Speaker of the organizing committee for all the Scientific Days of the Faculty of Engineering,
 Jordan University of Science & Technology
- Reviewer in many internationally renowned scientific journals and conferences
- Assistant Dean of Engineering 2003/2004
- Many national committees as well as committees in the department and university
- Rapporteur of the Council of Electrical Engineering for academic years 98/99 and 99/2000
- Prepared specifications for all electronic & electrical equipment to develop higher education in Iraq, Aug 1998
- Speaker and Member of the organizing committee for the Meeting of the Deans of Arab universities, Aug 1998
- Supervisor of engineering training in the Dept of Electrical Engineering for two years 96/97 & 97/98.
- Partcipated in setting accreditation standards, for the Ministry of Higher Education, for private universities in Jordan, 1997/1998
- Member of the committee for accreditation of the Department of Electronics, Princess Sumaya University College for Technology (now Princess Sumaya University for Technology), Amman, August 1997
- Gave an invited seminar entitled "Radiation Hazards" at Jordan Engineers Association, Amman, Oct 1996

- Participated in setting the specifications of the Paging System for Irbid hospitals, Sept 1995
- Supervision of the students' union elections, in electrical engineering, held at the university in 1994
- University delegate in preparing the Jordanian Specifications (in four parts) of the domestic antennas for the reception of sound and television broadcasting, 1994
- Participated and participating until now in many other activities both inside and outside Jordan

MEMBERSHIP IN SCIENTIFIC SOCIETIES

Senior Member of IEEE (USA), Jordan Engineers Association.

PUBLISHED BOOKS:

- 1. Mohammed Saleh Hussein Al Salameh, P. Suresh, U. Saravanakumar (Editors), "Advances in Smart System Technologies: Select Proceedings of ICFSST 2019," Springer; 1st ed. 2021 edition (August 30, 2020), ISBN-13: 978-9811550287, ISBN-10: 981155028X, Singapore Pte Ltd.
- 2. M. S. H. Al Salameh, "Waves and Fields of Wireless Communications and Electricity: Health-Effects and Unconventional Utilizations," Lap Publishing, printed in USA and in the UK, 2011.
- 3. M. S. Al Salameh and S. A. Alkhawaldeh, Computer Modelling of Optical Fibers & Waveguides. NATO Science Series. In Unconventional Optical Elements for Information Storage, Processing, and Communications, Editor: N. A. Vainos. Kluwer Academic Publishers, the Netherlands, 2000.
- 4. وباعيات جنين بمشاركة واسعة من شعراء الوطن العربي (مؤلف مشارك في هذا الديوان)، 2023، دار الخليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية . 2023/8/4160ISBN: 978- 9923-0- 0744-0.
- 5. ديوان طوفان الأقصى بمشاركة واسعة لشعراء من الوطن العربي (مؤلف مشارك في هذا الديوان)، 2023، دار الخليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية 2023 / 11 / 6275 . ISBN: 978 9923-0 0880-5.
- 6. المخليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية (مؤلف مشارك في هذا الديوان)، 2025، دار الخليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية 2025 / 2 / 1193 ، ISBN: 978 9923 1635 0.

PUBLICATIONS

- 1- Mohammed Saleh H. Al Salameh, and Mohammad K. A. Kreishan, "Optimum arrangement of high-voltage transmission line conductors by utopian Pareto swarm intelligence," Energy Syestems Optimization, Modeling, Simulation, and Economic Aspects, Dec. 2024, https://rdcu.be/d2ANf
- 2- ديوان أناشيد النصر بمشاركة واسعة من شعراء الوطن العربي (مؤلف مشارك في هذا الديوان)، 2025، دار الخليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية -2025 مناركة واسعة من شعراء الوطن العربي (مؤلف مشارك في هذا الديوان)، 2025 -0-1635 والتحكيم (1931 2 1931)، 158N: 978-9923-0-
- -3 ديوان طوفان الأقصى بمشاركة واسعة لشعراء من الوطن العربي (مؤلف مشارك في هذا الديوان)، 2023، دار الخليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية -3 2023 -11 | 6275 . ISBN: 978 9923-0 0880-5
- 4- العليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية (مؤلف مشارك في هذا الديوان)، 2023، دار الخليج للنشر والتوزيع، الأردن، عمان، رقم الإيداع لدى دائرة المكتبة الوطنية 2023/8/4160 ، ISBN: 978- 9923-0- 0744-0
- 5- Mohammed Saleh Al Salameh, and L. B. Al-Hazaimeh, "Accurate Computing of Electric and Magnetic Fields of High Voltage Transmission Lines," IJIEEE: International Journal of Industrial Electronics and Electrical Engineering, Volume-10, Issue-8, Aug 2022.
- 6- Mohammed Saleh Al Salameh, and L. B. Al-Hazaimeh, "Genetic Algorithm Optimization to Minimize Fields, Maximize Power, and Inhibit Corona of High Voltage Transmission Lines by Arranging the Conductors," International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 18 June 2022.
- 7- Mohammed Saleh Al Salameh, and Sama M.-K. Alnemrawi, "Ant Lion Optimization to Minimize Emissions of Power Transmission Lines," Progress In Electromagnetics Research M Journal, Vol. 110, 171-184, 2022
- 8- Mohammed Saleh Hussein Al Salameh, P. Suresh, U. Saravanakumar (Editors), "Advances in Smart System Technologies: Select Proceedings of ICFSST 2019," Springer; 1st ed. 2021 edition (August 30, 2020), ISBN-13: 978-9811550287, ISBN-10: 981155028X, Singapore Pte Ltd.
- 9- Mohammed Saleh Al Salameh, "Electromagnetic interference/compatibility in electrical and electronic systems," Journal of Chemical Engineering & Process Technolog, Volume 12, 2021, p. 9
- 10- Mohammed Saleh Al Salameh, "Electromagnetic interference and electromagnetic compatibility," Journal of Chemical Engineering & Process Technology, Volume 12, 2021, p. 22

- 11- M. S. H. Al Salameh, and M. M. Ababneh, "Selecting printed circuit board parameters using swarm intelligence to minimize crosstalk between adjacent tracks," International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, Volume 28, Issue 1, pages 21–32, January/February 2015.
- 12- Mohammed S. H. Al Salameh and Muneer M. Al-Zu'bi, "Measurements and path loss models for cellular communications in Jordan," International Journal of Networking and Communication, Vol. 1, Issue 1, pp. 6-15, July 2014. http://www.ijnngt.org/jr2vl1.php?page=2
- 13- Mohammed S. H. Al Salameh, "Lateral ITU-R foliage and maximum attenuation models combined with relevant propagation models for forest at the VHF and UHF bands," International Journal of Networking and Communication, Vol. 1, Issue 1, pp. 16-24, July 2014. http://www.ijnngt.org/jr2vl1.php?page=2
- 14- A. Jarndal, M. S. Al Salameh, A. Alsaqaf, and Y. Hulba, "Wideband modeling of land-mobile-satellite channel in built-Up environment," Journal of Electromagnetic Analysis and Applications, March 2012, Vol. 4, No. 3, pp. 101-107.
- 15- M. S. H. Al Salameh, and S. A.-R. T. Mahmoud, "MoM solutions to building blockage of mobile satellite communications," International Journal of Electronics, Volume 98, Issue 12, Sep. 2011, pp. 1639-1658.
- 16- M. S. H. Al Salameh and Y. S. A. Al-Mashhadani, "Impact of a concrete room on the performance of cellular telephone communications for low bit rate applications," ARPN Journal of Engineering and Applied Sciences, Vol. 6, No. 3, March 2011, pp. 83-98.
- 17- M. S. H. Al Salameh and M. A. S. Hassouna, "Arranging Overhead Power Transmission Line Conductors Using Swarm Intelligence Technique to Minimize Electromagnetic Fields," Progress In Electromagnetics Research B, Vol. 26, pp. 213-236, Oct. 2010.
- 18- M. S. H. Al Salameh and R. S. M. Daraghmeh, "Resonance fields and shielding of a living room exposed to radiations from a transmitter by vectorial finite element- neural network method," ARPN Journal of Engineering and Applied Sciences, Vol. 5, No. 8, pp. 58-68, Aug. 2010.
- 19- M. S. H. Al Salameh, I. M. Nejdawi, and O. A. Alani, "Using the Nonlinear Particle Swarm Optimization (PSO) Algorithm to Reduce the Magnetic Fields from Overhead High Voltage Transmission Lines," IJRRAS (International Journal of Research and Reviews in Applied Sciences), Vol. 4, Issue 1, July 2010, pp. 18-31.
- 20- M. S. H. Al Salameh, "Waves and Fields of Wireless Communications and Electricity: Health-Effects and Unconventional Utilizations," Lap Publishing, printed in USA and in the UK, 2011.
- 21- M. S. H. Al Salameh and S. I. Taha, "Electromagnetic non-destructive evaluation by vector finite-element neural networks," International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, Vol. 24, Issue 2, March/April 2011, pp. 132–143.
- 22- M. S. Al Salameh and S. A.-R. Mahmoud, "Modeling of crosstalk between signal lines on anisotropic printed circuit board," ARPN Journal of Engineering and Applied Sciences, Vol. 4, No. 3, May 2009, pp. 69-72.
- 23- M. S. Al Salameh and E. T. Al Zuraiqi, "Solutions to Electromagnetic Compatibility Problems Using Artificial Neural Networks Representation of Vector Finite Element Method," IEE Proceedings Microwaves, Antennas and Propagation, Vol. 2, No. 4, pp. 348-357, June 2008.
- 24- M. S. Al Salameh and S. M. Makki, "Full-vectorial finite element solution to open waveguide problems using adaptive perfectly matched layers," International Journal for Computation and Mathematics in Electrical and Electronic Engineering (COMPEL), pp. 1213-1229, Vol. 24, No. 4, 2005.
- 25- M S Al Salameh and M M Qasaymeh, "Effects of Buildings and Trees on Satellite Mobile Communications," International Journal of Electronics, pp. 611-623, Vol. 91, No. 10, Oct. 2004.
- 26- M. S. Al Salameh and A. M. Olaimat, "Method of moments modeling of cylindrical microwave integrated circuits interconnections," International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, Vol 17, Issue 2, pp. 119-133, April 2004.
- 27- M. S. Al Salameh and A. H. Jarandal, "Impact of buildings on the performance of MEO satellite mobile communication systems for low bit rate applications," IEE Proceedings Microwaves, Antennas and Propagation, Vol. 151, No. 2, PP. 161-166, April 2004.
- 28- M. S. Al Salameh and Y. M. M. Antar, "Simulation and measurement of half-volume dielectric resonator antenna with CPW feed," WSEAS (World Scientific and Engineering Academy and Society) Transactions on Electronics, Vol. 1, No. 2, pp. 317-321, April 2004.
- 29- M. S. Al Salameh and M. M. Qasaymeh, "Wideband impact of buildings and trees on satellite mobile communication systems," WSEAS Transactions on Electronics, Vol. 1, No. 2, pp. 322-326, April 2004.
- 30- M. S. Al Salameh, Y. M. M. Antar, and G. Seguin, "Coplanar-waveguide-fed slot-coupled rectangular dielectric resonator antenna," IEEE Transactions on Antennas and Propagation, Vol. 50, No. 10, pp. 1415-1419, Oct. 2002.
- 31- M. S. Al Salameh, "First and second order ABCs as applied with constant tangential/linear normal edge elements," International Journal of Modelling and Simulation, pp. 17-22, Vol. 21, No. 1, 2001.

- 32- M. S. Al Salameh and S. A. Alkhawaldeh, Computer Modelling of Optical Fibers & Waveguides. NATO Science Series. In Unconventional Optical Elements for Information Storage, Processing, and Communications, Editor: N. A. Vainos. Kluwer Academic Publishers, the Netherlands, 2000.
- 33- M. S. Al Salameh and S. A. Alkhawaldeh, "Edge-based finite/infinite elements modeling of circular and buried microstrip lines," International Journal of Electronics, pp. 1257-1268, Vol. 87, No. 10, 2000.
- 34- M. S. Al Salameh and S. A. Alkhawaldeh, "Computer modeling of optical dielectric waveguides by edge infinite elements," Journal of Optical Communications, pp. 66-72, Vol. 21, No. 2, April 2000.
- 35- M. S. Al Salameh and Osama O. Faris, "Simple and Efficient Analysis of MMIC's Interconnects by MOM," International Journal of Electronics, pp. 907-918, Vol. 86, No. 7, 1999.
- 36- M. S. Al Salameh and M. R. Owais, "Full Wave Analysis of Dielectric Optical Waveguides by Vectorial Finite Elements and Absorbing Boundary Condition," Journal of Optical Communications, pp. 74-78, Vol. 20, no. 2, April 1999
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