

Photos Vryonides

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EDUCATION

University of Manchester Institute of Science and Technology (UMIST)

BEng (2.1 Class Hons) in Electrical and Electronic Engineering, 1998

University of Manchester Institute of Science and Technology (UMIST)

MPhil in Electrical and Electronic Engineering 1999

Thesis: Feasibility Study for MMIC Branch-Line Coupler

Advisor: Dr D. K Paul

University of Manchester Institute of Science and Technology (UMIST)

PhD in Electrical and Electronic Engineering ,2002

Thesis: Comparative Study of Low-Phase Noise Microwave Oscillators

Advisor: Dr D. K Paul

WORKING EXPERIENCE

2016-Present

FREDERICK UNIVERSITY Nicosia, Cyprus

Assistant Professor Department of Electrical and Computer Engineering and Informatics School of Engineering and Applied Sciences

2007-2016

FREDERICK UNIVERSITY Nicosia, Cyprus

Lecturer Department of Electrical Engineering School of Engineering and Applied Sciences

2003 - 2007

FREDERICK INSTITUTE OF TECHNOLOGY Nicosia, Cyprus

Lecturer Department of Electrical Engineering School of Engineering and Applied Sciences

PROFESSIONAL QUALIFICATIONS

- **RF/Microwave Circuits Design and Fabrication** – very familiar with the RF/microwave circuit modeling and simulation including antennas, filters and matching networks, RFIDs, microstrip and coplanar transmission lines, rectangular waveguides, RF performance characterization on different substrate material
- **RF /Microwave Circuits Performance Characterization** –S-parameters measurement with Agilent vector network analyzer.
- **Electro-Magnetic field analysis** – hands on experiences with RF products design, very familiar with the EM simulation tools such as Ansoft HFSS and Designer, Agilent ADS/Momentum.
- **Programming Skills** - C/C++, Matlab

PROFESSIONAL ORGANIZATIONS

- Senior Member – IEEE
- Member – Technical Chamber of Cyprus

PROFESSIONAL CONTRIBUTION

- Associate Editor of IEEE Access
- Reviewer of IEEE Transactions on Circuits and Systems I
- Reviewer of IEEE Transactions on Circuits and Systems II
- Reviewer of IEEE Transactions on Microwave Theory and Techniques
- Reviewer of IEEE Microwave and Wireless Components Letters
- Reviewer of IEEE Access
- Reviewer of IET Microwaves, Antennas & Propagation
- Reviewer of Journal of Electromagnetic Waves and Applications
- Reviewer of International Journal of Microwave and Wireless Technologies
- Cyprus delegate in Management Committee of COST **RFCSET** - IC0803 RF/Microwave Communication Subsystems for Emerging Wireless Technologies Action
- Cyprus delegate in Management Committee of COST **SYMAT** - CA18223 Future Communications with higher-symmetric engineered artificial materials
- TCP Member of MOCAS (International Conference on Modern Circuits and Systems Technologies) since 2019

DINSTICTIONS/HONORS

- 2019 **Best Paper Award** in Communication Systems at **IEEE MOCAS** – International Conference on Modern Circuits and Systems Technologies

- Scholarship for PhD tuition fees “Overseas Research Scholarship Scheme, (United Kingdom Scholarships for Overseas Research Students)”.
- Faculty of Engineering Scholarship, UMIST, UK.

TEACHING EXPERIENCE

FREDERICK UNIVERSITY

- General Content
 - AEEE170 Freshman Electrical Engineering
 - AEEE222 Circuit Analysis I
 - AEEE225 Instrumentation and Measurements
 - AEEE238 Electronics I
 - AEEE239 Electronics II
 - AEEE298 Electrical Engineering Workshop
- Specialization
 - AEEE313 Transmission Lines and Waves
 - AEEE423 RF Engineering
 - AEEE516 Microwave Engineering

FUNDED RESEARCH-PROPOSALS

CURRENTLY FUNDED PROJECTS

- Advanced RF Electronics Centre for Adaptive Metamaterials – RF-META
 - Program: NEW STRATEGIC INFRASTRUCTURE UNITS - YOUNG SCIENTISTS
 - Role: Research Associate
 - Duration: March 2019- February 2023
- Simultaneous Wireless Information & energy Transfer for low-powered Communication technologies - SWITCH.
 - Program: RPF, HUBS of EXCELLENCE
 - Role: Research Associate
 - Duration: December 2018- November 2021

- ICARUS - RobotIcally Controlled RADAR Inspired WiReless Charging for/from Flying UAV PlatformS
 - Host Organization: Fredercick University
 - Role: Research Associate
 - Partners: University of Perugia
 - Duration: December 2019- November 2022

SUBMITTED PROPOSALS BUT NOT FUNDED

- Tunable SAW Filter for Sub-6 GHz RF Front -End Module-**TUNAFEM**
 - Program: RPF, POST-DOC
 - Role: Project Coordinator (evaluated with 13.05/15 eligible but not funded)
- Smart Adaptive Microwave Filtering Devices Design Center-**SPEEDER**
 - Program: Horizon 2020 - Research and Innovation Framework Programme, WIDESPREAD-05-2020 - Twinning
 - Role: Project Coordinator (evaluated with 9/15 and not funded)
- Exploiting novel materials and manufacturing techniques towards highly-integrated Ka-band passives intended for CubeSat transceivers – **ENACTION**
 - Program : ESA PECS4
 - Role: Project Coordinator (eligible but not funded)
- Tunable RF Electronics and AntennaS Design Center using NoveL ManufActuring Technologies – **TESLA Center**
 - Program: Horizon 2020 - Research and Innovation Framework Programme, WIDESPREAD-05-2020 - Twinning
 - Role: WP Leader (eligible but not funded)
- Simultaneous Wireless Information and Power Transfer for Emerging Wireless Networks – **SIREN**”;
Program: Horizon 2020 - Research and Innovation Framework Programme, WIDESPREAD-05-2020 - Twinning
 - Role: Researcher (eligible but not funded)

Publication List

Book Chapters

B1. Abdul Quddious, Marco A Antoniadis, **Photos Vryonides**, Symeon Nikolaou “Voltage-Double RF-to-DC Rectifiers for Ambient RF Energy Harvesting and Wireless Power Transfer Systems”-Wireless Energy Transfer Technology, 2019, DOI.10.5772/intechopen.89271

Journals

J16 **Photos Vryonides**, Salman Arain, Abdul Quddious, Symeon Nikolaou "A New Class of High-Selectivity Bandpass Filters with Stationary and Extremely High Bandwidth Tuning Ratio", *IEEE Transactions on Circuits and Systems II: Express Briefs (Major Revision)*

J15 S. Arain, **P. Vryonides**, K. Nisar, A. Quddious and S. Nikolaou, "Novel Selective Feeding Scheme Integrated With SPDT Switches for a Reconfigurable Bandpass-to-Bandstop Filter," in *IEEE Access*, vol. 9, pp. 25233-25244, 2021, doi: 10.1109/ACCESS.2021.3054591.

J14 Abdul Quddious, Salman Zahid, Farooq A Tahir, Marco A Antoniadis, **Photos Vryonides**, Symeon Nikolaou "Dual-Band Compact Rectenna for UHF and ISM Wireless Power Transfer Systems," *IEEE Transactions on Antennas and Propagation*, (Early Access), 2020

J13 Abdul Quddious, Muhammad Ali Babar Abbasi, Marco A Antoniadis, **Photos Vryonides**, Vincent Fusco, Symeon Nikolaou, "Dynamically Reconfigurable UWB Antenna using a FET Switch Powered by Wireless RF Harvested Energy," *IEEE Transactions on Antennas and Propagation*, (Early Access), 2020

J12 S. Arain, A. Quddious, S. Nikolaou, **P. Vryonides** " Demonstration of Reconfigurable BPFs with Wide Tuning Bandwidth Range Using $3\lambda/4$ Open- and $\lambda/2$ Short- Ended Stubs," *Technologies*, Vol. 8, Issue 1, doi/10.3390/technologies8010014, 2020

J11 S. Arain, **P. Vryonides**, A. Quddious, S. Nikolaou, " Reconfigurable BPF with Constant Centre Frequency and Wide Tuning Range of Bandwidth," *IEEE Transactions on Circuits and Systems II: Express Briefs*, (Early Access), 2019

J10 Abdul Quddious ; Muhammad Ali Babar Abbasi ; Farooq A. Tahir ; Marco A. Antoniadis; **Photos Vryonides** ; Symeon Nikolaou, " UWB Antenna with dynamically reconfigurable notch band using rectenna and active booster," *IET Microwaves, Antennas & Propagation*, vol. 13, no. 12, pp. 2046-2052, Oct. 2019

J9 A. Saghir, A. Quddious, S. Arain, **P. Vryonides**, S. Nikolaou, "Single/-Dual- BPF Using Coupled-Line Stepped Impedance Resonators (CLSIR)," *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 66, no. 9, pp. 1497-1501, Sep. 2019

J8 A. Quddious, M. Ali Babar Abbasi, A. Saghir, S. Arain, , M. A. Antoniadis ,A.Polycarpou, **P. Vryonides**, S. Nikolaou, " Dynamically Reconfigurable SIR Filter using Rectenna and Active Booster," *IEEE Transactions on Microwave. Theory and Techniques*, vol. 67, no. 4, pp. 1504-1515, Jan. 2019

J7 A. Quddious, M. A. B. Abbasi, M. H. Tariq, M. A. Antoniadis, **P. Vryonides**, and S. Nikolaou, "On the Use of Tunable Power Splitter for Simultaneous Wireless Information and Power Transfer Receivers," *International Journal of Antennas and Propagation*, vol. 2018, p. 12. Apr. 2018

J6 S. Arain, **P. Vryonides**, M. Ali Babar Abbasi, A. Quddious, M. Antoniadis, S. Nikolaou "Reconfigurable Bandwidth Bandpass Filter With Enhanced Out-of-Band Rejection Using pi -Section-Loaded Ring Resonator", *IEEE Microw. Wireless Compon. Lett.*, vol. 28, no. 1, pp. 28-30, Jan. 2018.

J5 Arain S, **Vryonides P**, Ali Babar Abbasi M, Quddious A, Antoniadis MA, Nikolaou S. Wideband BPF using quadruple-mode ring resonator loaded with short-circuited stubs and Γ -shaped band-stop sections. *Microw Opt Technol Lett.* 2017;59:2316–2320

J4 M. Ali Babar Abbasi, S. Nikolaou, Marco Antoniadis, M. N. Stevanovic, **P. Vryonides**, "Compact EBG-Backed Planar Monopole for BAN Wearable Applications," *IEEE Transactions on Antennas and Propagation*, Vol.65, Iss. 2, pp.1 - 11, February 2017

J3 **P Vryonides**, S Nikolaou, S Kim, MM Tentzeris “Reconfigurable dual-mode bandpass filter with switchable bandwidth using PIN diodes” *International Journal of Microwave and Wireless Technologies* 7 (06), 655-660 (2015)

J2 **P. Vryonides**, H. Haralambous, Comparison of COSMIC measurements with the IRI-2007 model over the eastern Mediterranean region. *Journal of Advanced Research*, Volume 4, Issue 3, May 2013, Pages 297-301.

J1 Hadjimitsis D.G Toullos L., **Vryonides P**, Papadopoulos P, Lazakidou A and Clayton C.R.I, “Satellite Remote Sensing for water quality assessment and monitoring-an overview on current concepts, deficits and future tasks”, *WSEAS Transactions of Signal Processing* Issue 1, Vol. 3 pp 67-71 Jan 2007

Conferences

C54 D. Chatzichristodoulou, A. Quddious, L. Vassiliou, N. Shoaib, **P. Vryonides** and S. Nikolaou, "Additive Manufacturing Techniques for 5G IoT Antennas and Sensors," 2021 15th European Conference on Antennas and Propagation (EuCAP), 2021, pp. 1-5, doi: 10.23919/EuCAP51087.2021.9411061.

C53 **P. Vryonides**, S. Arain, A. Quddious and S. Nikolaou, "Open-/Short- Circuited Coupled-Line Structures for the Design of High-Selectivity Bandpass Filter," 2020 50th European Microwave Conference (EuMC), Utrecht, Netherlands, 2021, pp. 128-131, doi: 10.23919/EuMC48046.2021.9338054.

C52 A. Quddious, K. Neophytou, M. A. Antoniadis, **P. Vryonides** and S. Nikolaou, "Ultra Compact Implantable ISM Rectenna with 3-D Printed Biocompatible Packaging Considerations," 2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Montreal, QC, Canada, 2020, pp. 1427-1428, doi: 10.1109/IEEECONF35879.2020.9330036.

C51 S. Zahid, F. A. Tahir, A. Quddious, **P. Vryonides** and S. Nikolaou, "Single Module UHF & ISM Rectennas for MIMO Energy Harvesting or SWIPT Systems," 2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Montreal, QC, Canada, 2020, pp. 1463-1464, doi: 10.1109/IEEECONF35879.2020.9330267.

C50 D. Chatzichristodoulou, S. Pericleous, L. Vassiliou, A. Quddious, **P. Vryonides** and S. Nikolaou, "3-D printed Helical Antenna for UAV Transmission Signal Direction of Arrival (DoA) Detection," 2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Montreal, QC, Canada, 2020, pp. 1383-1384, doi: 10.1109/IEEECONF35879.2020.9329982.

C49 A. Quddious, **P. Vryonides**, S. Nikolaou, MA Antoniadis, MAB Abbasi, “ Through-body Communication Measurements Using Wearable and Implatable Sensor Antennas” in 2019 Antennas Design and Measurement International Conference (ADMInC), 53-57

C48 Aqeela Saghir, Salman Arain, Abdul Quddious, Symeon Nikolaou, **Photos Vryonides**, “Wideband BPF for 5G mm-wave Applications with Detailed Extraction of Poles and Zeros” in 2019 IEEE USNC-URSI Radio Science Meeting (Joint with AP-S Symposium)

C47 Salman Zahid, Abdul Quddious, Farooq A Tahir, **Photos Vryonides**, Marco Antoniadis, Symeon Nikolaou, “Dual-Band Compact Antenna for UHF and ISM Systems”, in 2019 13th European Conference on Antennas and Propagation (EuCap)

C46 Abdul Quddious, **Photos Vryonides**, Symeon Nikolaou, Marco A Antoniadis “Uniplanar Rectenna Designs Matched with either Active or Passive DC-to-DC Converter”, in 2019 IEEE International Symposium on Antennas and Propagation

C45 S. Arain, A. Quddious, A. Saghir, S. Nikolaou, and **P. Vryonides**, "Reconfigurable BPF with Wide Tuning Bandwidth Range Using Open- and Short-Ended Stubs," in *2019 8th International Conference on Modern Circuits and Systems Technologies (MOCAST)*, 2019, pp. 1-4: IEEE. (**Best paper Award on Communications**)

C44 A. Quddious, M. Ali Babar Abbasi, Marco A. Antonides, **P. Vryonides** and S. Nikolaou "Reconfigurable Notch-Band UWB Antenna with RFto-DC Rectifier for Dynamic Reconfigurability", in 2018 IEEE International Symposium on Antennas and Propagation

C43 **P. Vryonides** S. Arain, A. Quddious, Marco A. Antonides, and S. Nikolaou, "A Novel S- Band Bandpass Filter with Extremely Broad Stopband", in 48th European Microwave Conference (EuMC), Madrid Spain, September 2018

C42 Ali Babar Abbasi, A. Quddious, Marco A. Antonides, **P. Vryonides** and S. Nikolaou, "Wearable sensor for communication with implantable devices" In 2018 12th European Conference on Antennas and Propagation (EuCAP)

C41 Marco Antonides, M. Ali Babar Abbasi, S. Nikolaou, , M. N. Stevanovic, **P. Vryonides**, "Conformal Wearable Monopole Antenna Backed by a Compact EBG Structure for Body Area Networks, " EuCAP 2017,pages: 164-166 Paris, France, March 2017

C40 S. Arain, M. A. B. Abassi, S. Nikolaou and **P. Vryonides**, "A square ring resonator bandpass filter with asymmetrically loaded open circuited stubs," 5th International Conference on Modern Circuits and Systems Technologies (MOCAST), Thessaloniki, 2016, pp. 1-4

C39 MAB Abbasi, **P Vryonides**, S Nikolaou "Humidity Sensor using PEDOT:PSS" IEEE International Symposium on Antennas and Propagation&USNC/URSI National Radio Science Meeting,1366-1367 (2015)

C38 S. Arain, M. Ali Babar Abassi, S. Nikolaou, and **P. Vryonides**, "A Reconfigurable Bandpass to Bandstop Filter Using PIN Diodes Based on the Square Ring Resonator", Accepted for PIERS Conference, Prague, Czech Republic, July 2015

C37 Muhammad Ali Babar Abbasi, Salman Arain, **Photos Vryonides**, and Symeon Nikolaou "Design and Optimization of Miniaturized Dual-band Implantable Antenna for MICS and ISM Bands" PIERS Proceedings,738-741, July 6-9, Prague, (2015)

C36 H Haralambous, **P Vryonides** "HF interference temporal and spectral characteristics over the eastern Mediterranean", 10th Communications International Conference, in Bucharest, Romania May 2014

C35 H Haralambous, **P Vryonides**, T.Leontiou Comparison of reconstructed F2 layer peak parameters over Cyprus by slant TEC ingestion into the NeQuick model and manually scaled data, European Geosciences Union General Assembly (EGU2014) Vienna April 2014

C34 Haris Haralambous, **Photos Vryonides**, V. Dobrica, C. Demetrescu, G. Maris, D. Ionescu IRI STORM VALIDATION OVER EUROPE, European Geosciences Union General Assembly (EGU2014) Vienna April 2014.

C33 H Haralambous, **P Vryonides** A comparison between automatically and manually scaled ionospheric characteristics over Cyprus from 2009 to 2012 *International Association of Geomagnetism and Aeronomy IAGA 12th Scientific Assembly* August 2013 Yucatan, Mexico.

C32 H Haralambous, **P Vryonides**, T.Leontiou A five year validation study of the IRI-STORM model *International Association of Geomagnetism and Aeronomy IAGA 12th Scientific Assembly* August 2013 Yucatan, Mexico.

C31 H. Haralambous, L. Economou, **Vryonides P** Diurnal and seasonal variability of HF Spectral Occupancy over the eastern Mediterranean, *APS/URSI Symposium* Orlando USA 2013.

C30 H. Haralambous, L. Economou, H Papadopoulos, **Vryonides P** Modelling HF Spectral Occupancy over the eastern Mediterranean, *APS/URSI Symposium* Orlando USA 2013.

C29 H. Haralambous, L. Economou, **Vryonides P** Monitoring of HF Spectral Occupancy over the Eastern Mediterranean, *APS/URSI Symposium* Chicago 2012

C28 **P. Vryonides**, H. Haralambous, C Tomouzos, G Pelopidas Investigation of Ionospheric Slab Thickness and Plasmaspheric TEC Using Satellite Measurements *Progress in Electromagnetic Research Symposium (PIERS 2012)*, August 2012 Moscow.

C27 **P. Vryonides**, Ionospheric Behaviour over Europe driven by moderate geomagnetic Storms in 2012, 9th *European Space Weather Week (ESWW9)* November 2012 Brussels.

C26 Haralambous H, S. Anaksagora, L. Economou , **P. Vryonides**, Comparison of GPS-derived vTEC over Cyprus with IRI-2007 XXX URSI General Assembly and Scientific Symposium of International Union of Radio Science August 2011 Istanbul.

C25 **P. Vryonides**, H. Haralambous, M. Fragoudi Spread F Observations during Low Solar activity over Cyprus XXX URSI General Assembly and Scientific Symposium of International Union of Radio Science August 2011 Istanbul.

C24 S. Nikolaou, M. Davidovic, and **P. Vryonides**, "Triple notch UWB antenna controlled by three types of resonators", Proc. of IEEE AP-S Conference, Spokane, WA, USA, July 2011

C23 Symeon Nikolaou, Miloš Davidović, Marija Nikolić, **Photos Vryonides**, "Resonator Type and Positioning Study for the Creation of a Potentially Reconfigurable Frequency Notch in a UWB Antenna Return Loss", EuCAP 2011, Rome.

C22 **P. Vryonides** , L. Economou , Haralambous H, A study of sporadic E layer characteristics over Cyprus. *Progress in Electromagnetic Research Symposium (PIERS 2011)*, March 2011 Marrakesh, Morocco

C21 Haris Haralambous, **Photos Vryonides**, Lefteris Economou, Luigi Ciralo, Ljiljana Cander Ionospheric response to the major geomagnetic storm during maximum solar activity, *European Geosciences Union General Assembly (EGU2010)* Vienna 2010.

C20 Haralambous H, L. Economou , **P. Vryonides**, Comparison of foF2 values extracted from DIAS maps and ionosonde measurements at Nicosia during low solar activity 7th *European Space Weather Week (ESWW7)* November 2010 Brugges.

C19 H Haralambous , A. Mahrous , **P Vryonides** , A Shemis Multi-instrument ionospheric disturbance detection over the Eastern Mediterranean region, *IEEE Geoscience and Remote Sensing Symposium (IGARSS2010)* pp 3541-3544 Hawaii August 2010.

C18 M. D. Davidovic, S. Nikolaou, **P. Vryonides**, M. Nikolic, "UWB antenna with a WiMAX frequency notch caused by a novel stepped U shaped slot that suppresses the parasitic notches" Antennas and Propagation Society International Symposium (APSURSI), 2010 IEEE, pp. 1-4, July 2010, Toronto

C17 **P. Vryonides**, S. Nikolaou, H. Haralambous "24 GHz Low Phase Noise HBT Dielectric Resonator Oscillator", Proc. of the IEEE WAMICON conference, Melbourne Beach, FL, USA, pp 1-4 April 2010.

C16 M. D. Davidovic, S. Nikolaou, **P. Vryonides**, M. Nikolic, and B. Kolundzija, "Reconfigurable UWB Antenna Operating in Two Different Sub-bands", Proc. of EuCAP 2010, pp 1-5, Barcelona, Spain, April 2010.

C15 Haralambous H, **P. Vryonides**, L. Economou “A local Total Electron Content Neural Network model over Cyprus” *4th International Symposium on Communications, Control and Signal Processing (ISCCSP 2010)* March 2010 Limassol pp 1-5. d.o.i:10.1109/ISCCSP.2010.5463306

C14 S. Nikolaou, **P. Vryonides**, D. E. Anagnostou, M. Al-Tarifi, “Development of an Ultra Compact Dual Band Antenna on a One Cubic Centimeter (1 cm³) Surface”, Proc. of IEEE AP-S conference, Charleston, SC, USA, June 2009

C13 Haralambous H, **P. Vryonides**, L. Economou First Results from the Cyprus Digisonde, IET *11th International Conference on Ionospheric Radio Systems and Techniques (IRST)* pp 9-13 May 2009 Edinburgh.

C12 S. Nikolaou, B. Kim, **P. Vryonides**, ‘Reconfiguring Antenna Characteristics using PIN diodes’ Proc. of EuCAP 2009, pp.3748 – 3752, Berlin, Germany, March 2009

C11 H Haralambous , A. Mahrous , **P Vryonides** , A Shemis , A Cyprus-Egypt initiative for monitoring of Ionospheric Weather Over the eastern Mediterranean region *LAGA International Symposium on Solar Wind-Space Environment Interaction* pp 193-196 Cairo, Egypt December 2009.

C10 Haralambous H, **P. Vryonides**, L. Economou , Enhancements in the critical frequency foF2 over Cyprus during a low solar activity period in the absence of pronounced geomagnetic activity *6th European Space Weather Week (ESWW6)* November 2009 Brugges.

C9 C.Damianou, K. Ioannides, V. HadjiSavas, N. Milonas, A. Couppis, D. Iosif, M. Komodromos, **P. Vryonides**, ‘Thermal ablation system using high intensity focused ultrasound (HIFU) and guided by MRI’, *12th World Congress of the World Federation for Ultrasound in Medicine and Biology*, Sydney, Australia, 30 August – 3 September 2009

C8 H Haralambous , A. Mahrous , **P Vryonides** , A Shemis , Monitoring of Ionospheric Weather Over Cyprus and Egypt first results *International Association of Geomagnetism and Aeronomy IAGA 11th Scientific Assembly* August 2009 Sopron.

C7 **P. Vryonides**, S. Nikolaou, C. Themistos, M. Komodromos “*Low Phase Noise HBT DRO*”, IEEE Mediterranean Microwave Symposium, Damascus, Syria, pp. 247-250, October 14-16, 2008

C6 C. Damianou, K. Ioannides, V. HadjiSavas, N. Milonas, A. Couppis, D. Iosif, M. Komodromos, **P. Vryonides**, ‘Thermal ablation system using high intensity focused ultrasound (HIFU) guided by MRI’, *8th International Symposium on Therapeutic Ultrasound*, Mineapolis, USA, September 10-13, 2008

C5 S. Nikolaou, **P. Vryonides**, D.E. Anagnostou, “*Dual-Band Microstrip-Fed Monopole on RO4003 Substrate*”, Proc. of 2008 IEEE-APS Symposium, pp.1-4, Digital Object Identifier 10.1109/APS.2008.4619886, San Diego , CA, July 2008.

C4 Haralambous H, G. Dekoulis, **P. Vryonides**, Operation of a new fully automated digisonde (DPS-4D) in Cyprus *12th International Symposium on Equatorial Aeronomy (ISEA12)* May 2008 Crete.

C3 H Haralambous , A. Mahrous , **P Vryonides** , A Shemis Monitoring of Ionospheric Weather Over Cyprus and Egypt *12th International Symposium on Equatorial Aeronomy (ISEA12)* May 2008 Crete.

C2 Hadjimitsis D.G, **Vryonides P**, Themistokleous, K., Toullos L., and Clayton C.R.I, “ Satellite- derived determination of aerosol optical thickness for air pollution monitoring: A simplified Algorithm”, Fifteenth International Conference on Modelling, 6th International Conference on Air Quality Cyprus, 27-29 March 2007

C1 Hadjimitsis D.G, **Vryonides P**, Themistokleous, K., Toullos L., and Clayton C.R.I, “ Applications of Satellite Remote Sensing & GIS Urban Air-Quality Monitoring in Cyprus: Potential Solutions and Suggestions”

,Fifteenth International Conference on Modelling, 6th International Conference on Air Quality Cyprus, 27-29
March 2007