

PUBLICATIONS of **Anastasios D Papatsoris****A. SELECTED FINAL REPORTS AND BOOKS**

- A1.** G Brussaard, P A Watson, L Leyten, **A D Papatsoris**, M M J L van de Kamp and M H A J Herben, 'Atmospheric Modelling and Millimetre Wave Propagation', Final Report and Executive Summary to ESA/ESTEC contract No 8600/89/NL/PB(SC), October 1991.
- A2.** Atmospheric Modelling and Millimetre Wave Propagation, by G Brussaard and P A Watson with major contributions from L Leyten and **A D Papatsoris**, Chapman & Hall, ISBN 0-412-56230-8, 1995.
- A3.** **A D Papatsoris** and P A Watson 'Clouds as Radar Targets', chapter 6 in the CLRC (Central Laboratory of the Research Councils) 'Spaceborne Cloud Radar - A Feasibility Study', compiled by the Space Radar Group of Rutherford Appleton Laboratory, United Kingdom, 1996.
- A4.** Σ Κωτσόπουλος, Α Δούκας, Δ Καραμπούλας, Γ Καραγιαννίδης, Σ Μπουζούκη, **Α Δ Παπατσώρης** και Δ Ζευγώλης, 'Προτεινόμενη Αρχιτεκτονική κι Εξομοίωση Υβριδικού Συστήματος Κυτταρικής Κινητής Τηλεφωνίας', Πρόγραμμα ΠΕΝΕΔ, Κωδικός έργου 261 (95Δ), Μέτρο 4.1, HCMS-SIM-2 (1/9/1998).
- A5.** D Welsh, I D Flintoft and **A D Papatsoris**, 'Cumulative Effect Of Radiated Emissions From Metallic Data Distribution Systems On Radio Based Services', Final report for Radio Communications Agency contract AY3525, Document No R/00/026, Project No 1191, University of York, May 2000, (<http://www.ofcom.org.uk/static/archive/ra/topics/research/topics/emc/ay3525/intro.htm>).
- A6.** I D Flintoft, D Welsh, and **A D Papatsoris**, 'Accumulated Emissions From Metallic Data Delivery Systems To Verify The Angle Of Radiation Of ADSL Systems And Their Potential Effect On Aeronautical Services', final report for Radiocommunications Agency contract AY3525, University of York, July 2000, (<http://www.ofcom.org.uk/static/archive/ra/topics/research/topics/emc/ay3525/report2.doc>).
- A7.** A J Rowell, D W Welsh, and **A D Papatsoris**, 'Practical Limits for EMC Emission Testing at Frequencies Above 1 GHz', final report for Radiocommunications Agency contract AY1255, University of York, November 2000, (<http://www.ofcom.org.uk/static/archive/ra/topics/research/topics/emc/ay3601/ay3601.pdf>).
- A8.** M H Capstick, I D Flintoft, and **A D Papatsoris**, 'Specification of the Scope of Work Needed to Determine the Technical and Operational Impact of Emissions from Unstructured Telecommunication Transmission Networks Interfering with Aeronautical and Maritime Radio Services in the UK', Final report for Radiocommunications Agency contract AY4075, 3rd Issue, University of York, May 2002, (<http://www.ofcom.org.uk/static/archive/ra/topics/research/topics/emc/ay4075final.pdf>).
- A9.** Ειρήνη Σκλαρή, Θωμάς Μάντζου, **Αναστάσιος Παπατσώρης**, Απόστολος Κουϊρουκίδης, Κωνσταντίνος Πολυμέρης, Αθανασία Λάζου, Αναστάσιος Μπαλουκτσής και Χαράλαμπος Στρουθόπουλος, 'ΠΕ1: Ανάκτηση και προετοιμασία μετεωρολογικών δεδομένων από την ΕΜΥ.', Αρχιμήδης - Ενίσχυση ερευνητικών ομάδων στα Τ.Ε.Ι " του Β' Ε.Π.Ε.Α.Ε.Κ. - Γ' Κ.Π.Σ ΕΠΕΑΕΚ, Ενέργεια 2.2.3ζ, Υποέργο 6, 'Ακριβής χαρακτηρισμός του μέσου διάδοσης στην Ελληνική επικράτεια σε χιλιοστομετρικά μήκη κύματος', Αύγουστος 2007. (http://www.teiser.gr/arximidis/pdf/papatsoris/WP1_final.zip).
- A10.** **Αναστάσιος Παπατσώρης**, Κωνσταντίνος Πολυμέρης, Ειρήνη Σκλαρή και Αθανασία Λάζου, 'ΠΕ2: Επεξεργασία δεδομένων και εξαγωγή χρησίων στατιστικών μετεωρολογικών παραμέτρων που απαιτούνται ως είσοδοι στα μοντέλα διάδοσης.' Αρχιμήδης - Ενίσχυση ερευνητικών ομάδων στα Τ.Ε.Ι " του Β' Ε.Π.Ε.Α.Ε.Κ. - Γ' Κ.Π.Σ, Ενέργεια 2.2.3ζ, Υποέργο 6, 'Ακριβής χαρακτηρισμός του μέσου διάδοσης στην Ελληνική επικράτεια σε χιλιοστομετρικά μήκη κύματος', Νοέμβριος 2007. (http://www.teiser.gr/arximidis/pdf/papatsoris/WP2_final.zip).

- A11. Αναστάσιος Παπατσώρης**, Κωνσταντίνος Πολυμέρης, Ειρήνη Σκλαρή, Θωμάς Μάντζου, Απόστολος Κουρουϊκίδης, Αθανασία Λάζου, Νικόλαος Βλασσόπουλος, *‘ΠΕ3: Εξαγωγή περιθωρίων διάλειψης για δεδομένες διαθεσιμότητες και εκτίμηση της απόδοσης συστημάτων.’*, Αρχιμήδης - Ενίσχυση ερευνητικών ομάδων στα Τ.Ε.Ι." του Β' Ε.Π.Ε.Α.Ε.Κ.- Γ' Κ.Π.Σ, Ενέργεια 2.2.3ζ, Υπόεργο 6, 'Ακριβής χαρακτηρισμός του μέσου διάδοσης στην Ελληνική επικράτεια σε χιλιοστομετρικά μήκη κύματος', Δεκέμβριος 2007. (http://www.teiser.gr/arximidis/pdf/papatsoris/WP3_final.zip).
- A12. Αναστάσιος Παπατσώρης**, *‘ΠΕ4: Προσδιορισμός του κέρδους διαφορικής προστασίας ασύρματων συστημάτων και διερεύνηση προσαρμοζόμενων δυναμικών τεχνικών καταπολέμησης των επιπτώσεων των παραγόντων διάδοσης.’*, Αρχιμήδης - Ενίσχυση ερευνητικών ομάδων στα Τ.Ε.Ι." του Β' Ε.Π.Ε.Α.Ε.Κ.- Γ' Κ.Π.Σ, Ενέργεια 2.2.3ζ, Υπόεργο 6, 'Ακριβής χαρακτηρισμός του μέσου διάδοσης στην Ελληνική επικράτεια σε χιλιοστομετρικά μήκη κύματος', Δεκέμβριος 2007. (http://www.teiser.gr/arximidis/pdf/papatsoris/WP4_final.zip).
- A13. Α. Δ. Παπατσώρης**, Β. Ξηρομερίσιου, Α. Πολίτης και Δ. Μάνος *‘Μελέτη για την τηλεοπτική κάλυψη των Δήμων του Νομού Σερρών. Φάση 2 – Καθορισμός τεχνικών παραμέτρων δικτύου ψηφιακής τηλεόρασης, τεχνικές προδιαγραφές πάρκου κεραιών και κόστος εξοπλισμού’*, Εργαστήριο Επικοινωνιών, Τομέας Πληροφορικής & Επικοινωνιών, Κέντρο Τεχνολογικής Έρευνας Σερρών, Απρίλιος 2008.

B. SELECTED RESEARCH AND TECHNICAL REPORTS

- B1. Papatsoris, A D**, and Watson P A, 'Attenuation from ice particles. Calculations using Mie theory', report for ESA/ESTEC contract No 8600/89/NL/PB(SC), October 1990.
- B2.** G Brussaard, P A Watson, L Leyten, **A D Papatsoris**, M M J L van de Kamp and M H A J Herben, 'Atmospheric Modelling from Propagation Data', interim report for ESA/ESTEC contract No 8600/89/NL/PB(SC), December 1990.
- B3. Papatsoris, A D**, and Watson P A, 'Attenuation from ice particles in clouds. Radar cross sections of ice spheres. Millimetre spectral line absorption. 90 GHz study.', interim report for ESA/ESTEC contract No 8600/89/NL/PB(SC), January 1991.
- B4. Papatsoris, A D**, and Watson P A, 'Attenuation from water clouds. Detecting trace atmospheric constituents.', report for ESA/ESTEC contract No 8600/89/NL/PB(SC), April 1991.
- B5. Papatsoris, A D**, and Watson P A, 'Spaceborne cloud radar study. Study topic: Target definition', mid-study report presented to the UK spaceborne cloud radar science team, in a meeting held at Rutherford Apletton Laboratory, Didcot, Oxon, UK, February 1993.
- B6.** Randhawa, B S, Marvin, A C, and **Papatsoris, A D**, 'A Review of High-Frequency Electromagnetic Scattering Methods', Interim report for EPSRC/BAe contract, November 1996.
- B7.** Randhawa, B S, Marvin, A C, and **Papatsoris, A D**, 'High-Frequency Electromagnetic Scattering using the UTD Method', Interim report for EPSRC/BAe contract, March 1997.
- B8.** Randhawa, B S, Marvin, A C, and **Papatsoris, A D**, 'A Hybrid Geometrical Optics Finite-Difference Time-Domain Method for Incident Waves', Interim report for EPSRC/BAe contract, March 1998.
- B9. A D Papatsoris**, I D Flintoft, and D Welsh, 'Cumulative Emissions from the Asynchronous Digital Subscriber Line (ADSL) technology', Interim Report for Radiocommunications Agency, contract AY3525, December 1999.
- B10. A D Papatsoris**, I D Flintoft, and D Welsh, 'Cumulative Emissions from the Very-high Digital Subscriber Line (VDSL) technology', Interim Report for Radiocommunications Agency contract AY3525, January 2000.

- B11. A D Papatsoris**, ‘Spectrum Management of xDSL technologies’, Interim report for Radio Communications Agency contract AY3525, March 2000.
- B12. D.W. Welsh, I.D. Flintoft, A.D. Papatsoris**, Cumulative Effect Of Radiated Emissions From Metallic Data Distribution *Systems On Radio Based Services* (for Radiocommunications Agency). York EMC Services, Document number R/00/026, 2000.
- B13. A D Papatsoris**, ‘A Study to Devise Practical Test Methods and Limits for EMC Emission Testing at Frequencies Above 1 GHz.’, Interim Report for Radiocommunications Agency, contract AY3601, Document number R/99/169, University of York, September 2000.
- B14. AEC 27 Bylaw, Article on Fixed Wireless Access Utilization**, Agency for Electronic Communications, 13 Dimitrie Čupovski Street, 1000 Skopje, Former Yugoslavian Republic of Macedonia, Dec. 2005.
- B15. Α. Δ. Παπατσώρης και Δ. Μάνος**, ‘Μελέτη για την τηλεοπτική κάλυψη των Δήμων Αλιστράτης, Νέας Ζίχνης και Πρώτης Σερρών’, Εργαστήριο Επικοινωνιών, Τομέας Πληροφορικής & Επικοινωνιών, Κέντρο Τεχνολογικής Έρευνας Σερρών, Μάιος 2005.
- B16. Α. Δ. Παπατσώρης** ‘Μέτρηση ηλεκτρομαγνητικής ακτινοβολίας από σταθμούς βάσης κινητών επικοινωνιών’, Εργαστήριο Επικοινωνιών, Τομέας Πληροφορικής & Επικοινωνιών, Κέντρο Τεχνολογικής Έρευνας Σερρών, Σεπτέμβριος 2006.
- B17. Α. Δ. Παπατσώρης, Β. Ξηρομερίσιου, Α. Πολίτης και Δ. Μάνος**, ‘Μελέτη για την τηλεοπτική κάλυψη των Δήμων του Νομού Σερρών. Φάση 1 – Αποτύπωση της τρέχουσας κατάστασης και υφιστάμενων εκπομπών’, Εργαστήριο Επικοινωνιών, Τομέας Πληροφορικής & Επικοινωνιών, Κέντρο Τεχνολογικής Έρευνας Σερρών, Σεπτέμβριος 2007.

C. PUBLICATIONS IN INTERNATIONAL JOURNALS

- Papatsoris, A D**, and P A Watson, ‘Potential use of oxygen absorption bands for aeronautical communications’, *Electronics Letters*, 1993, 29(22), pp. 1987-1988.
- Papatsoris, A D**, and P A Watson, ‘Calculation of the absorption and dispersion spectra of atmospheric gases at millimetre wavelengths’, *IEE Proceedings-H, Antennas and Radiowave Propagation*, 1993, 140(6), pp. 461-468.
- Papatsoris, A D**, and P A Watson, ‘A rigorous explanation for the resonances observed in the scattering from spherical ice particles’, *IEEE Transactions on Antennas and Propagation*, 1994, 42(9), pp. 1350-1354.
- Papatsoris, A D**, ‘Implication of super-large drops in millimetre wave radar observations of water clouds’, *Electronics Letters*, 1994, 30(21), pp. 1799-1800.
- Papatsoris, A D**, ‘Radar quantification of mid-latitude Cirrus clouds at 35 and 94 GHz’, *Electronics Letters*, 1995, 31(14), pp. 1192-1193.
- Papatsoris, A D**, ‘Effect of ice clouds on millimetre wave aeronautical and satellite communications’, *Electronics Letters*, 1997, 33(21), pp. 1766-1768.
- Davies, O T, and **Papatsoris, A D**, ‘Monthly mean gaseous attenuation maps at 93 GHz for the United Kingdom and Ireland’, *Electronics Letters*, 1998, 34(12), pp. 1208-1210.
- Bandera, J, **Papatsoris, A D**, Watson, P A, Tan, J, and Goddard, J W, ‘Method for detecting the extent of the melting layer’, *Electronics Letters*, 1998, 34(22), pp. 2104-2105.
- Bandera, J, **Papatsoris, A D**, Watson, P A, Tan, J, and Goddard, J W, ‘Correlation of extent of melting layer with rainfall rate and reflectivity in stratiform and convective rainstorms’, *Electronics Letters*, 1998,

34(23), pp. 2271-2273.

10. Randhawa, B S, Marvin, A C, and **Papatsoris, A D**, ‘Hybrid uniform theory of diffraction finite-difference time-domain method for scattered waves’, *Electronics Letters*, 1999, 35(6), pp. 459-460.
11. Bandera, J, **Papatsoris, A D**, Watson, P A, Tozer, T C T, Tan, J, and Goddard, J W, ‘Vertical variation of reflectivity and specific attenuation in stratiform and convective rainstorms’, *Electronics Letters*, 1999, 35(7), pp. 599-600.
12. Bandera, J, **Papatsoris, A D**, Watson, P A, Tozer, T C T, Tan, J, and Goddard, J W, ‘Vertical path reduction factor for high elevation communication systems’, *Electronics Letters*, 1999, 35(18), pp. 1584-1585.
13. Lazou, A A, and **Papatsoris, A D**, ‘The economics of photovoltaic stand-alone residential households: a case study for various European and Mediterranean locations’, *Solar Energy Materials and Solar Cells*, 2000, 62(4), pp. 411-427.
14. **Papatsoris, A D**, and Flintoft, I D, ‘Modelling the cumulative ground wave electric field from the widespread deployment of xDSL data distribution systems’, *Electronics Letters*, 2000, 36(13), pp. 1171-1172.
15. **Papatsoris, A D**, ‘Spectrum management of ADSL’, *Electronics Letters*, 2002, 38(17), pp. 1001-1003.
16. **Papatsoris, A D**, and Flintoft, I D, ‘Model for the emission electric field of distributed unstructured telecommunication transmission networks’, *Electronics Letters*, 2002, 38(24), pp. 1610-1611.
17. **Papatsoris, A D**, Flintoft, I D, Welsh, D, and Marvin A C, ‘Modelling the cumulative emission field of unstructured telecommunication transmission networks’, *IEE Proceedings Science, Measurement & Technology*, Vol. 151, No. 4, July 2004.
18. Battermann, S, Garbe, H, Silva, F, Pous, M, Beauvois, V, Vantomme, K, Catrysse, J, Newbury, J, Degardin, V, Lienard, M, Degauque, P, Flintoft, I D, **Papatsoris, A D**, Welsh, D W, Marvin, A C, ‘Electromagnetic compatibility analysis of unstructured mains networks for high-speed data transmission: Part 1’, *IET Proceedings Science, Measurement & Technology*, Volume 2, Issue 3, pp. 146-153, May 2008.
19. Battermann, S, Garbe, H, Silva, F, Pous, M, Beauvois, V, Vantomme, K, Catrysse, J, Newbury, J, Degardin, V, Lienard, M, Degauque, P, Flintoft, I D, **Papatsoris, A D**, Welsh, D W, Marvin, A C, ‘Electromagnetic compatibility analysis of unstructured mains networks for high-speed data transmission: Part 2’, *IET Proceedings Science, Measurement & Technology*, Volume 2, Issue 3, pp. 154-159, May 2008.
20. **Papatsoris, A D**, Polimeris, K and Sklari I-P, 'Statistics of Rainfall for Microwave and Millimetre Wave Communications System Planning in Greece', accepted for publication in the *IEEE Antennas & Propagation Magazine*, 2012.
21. A. Politis, C. S. Hilar and **A. D. Papatsoris**, "Optimising no acknowledgment policy on WLANs supporting voice over internet protocol", *IET Electronics Letters*, Volume 50, Issue 1, 02 January 2014, p. 51 – 52, 2014.
22. S. Tsitsos, **A. D. Papatsoris**, H. Anastassiou, D. Eftstathiou, P. Kyriazidis and A. M. Pashalidou, “Miniturisation of an enhanced performance dual-band microwave power divider”, *Far East Journal of Electronics and Communications*, Vol. 16, No. 1, pp. 167-188, 2016.
23. **Papatsoris, A.D.** and Varsamis, D., “Utilization of the MF band for Providing Digital Radio Services in Greece”, *Journal of Engineering Science And Technology Review*, Vol. 9, No. 5, pp.68-71, 2016.

D. CONFERENCE PAPERS (Refereed)

- D1. Papatsoris A**, Pagalos A, Carelis D, and Makios V, ‘A powerful high-speed microprocessor design with expandable word length and great instruction set flexibility’, Panhellenic Conference on Microprocessor Applications, Patras, Greece, 3-5 October 1988.
- D2. Papatsoris, A D**, and Watson, P A, ‘Calculation of absorption and dispersion spectra of atmospheric gases at millimetre-wave frequencies’, Open Symposium in Wave Propagation and Remote Sensing organised by URSI, Ravenscar, North Yorkshire, UK, 8-12 June 1992.
- D3. Papatsoris, A D**, and Watson, P A, ‘A rigorous explanation of the resonances observed in the scattering from ice particles’, Open Symposium in Wave Propagation and Remote Sensing organised by URSI, Ravenscar, North Yorkshire, UK, 8-12 June 1992.
- D4. Papatsoris, A D**, and Watson, P A, ‘Evaluation of the absorption and dispersion present on slant paths in the oxygen band left tail’, Open Symposium in Wave Propagation and Remote Sensing organised by URSI, Ravenscar, North Yorkshire, UK, 8-12 June 1992.
- D5. Papatsoris, A D**, and Watson, P A, ‘The potential of a spaceborne cloud radar to measure various clouds at 94 GHz’, CLIMPARA 94, Moscow, Russia, 31 May - 3 June 1994.
- D6. Papatsoris, A D**, and Watson, P A, ‘Scattering from Ice Particles’, invited paper Symposium on Progress in Electromagnetics Research (PIERS 94), ESA/ESTEC, Noordwijk, The Netherlands, 11-15 July 1994.
- D7. Papatsoris, A D**, ‘Studying Clouds with Millimetre Wave Radars’, invited paper, Symposium on Progress in Electromagnetics Research (PIERS 95), University of Washington, Seattle, USA, 24-28 July 1995.
- D8. Papatsoris, A D**, ‘Characterisation of the transfer function of the clear atmosphere at millimetre wavelengths’, invited paper, AGARD/NATO 4th Symposium on Digital Communications Systems: Propagation Effects, Technical Solutions, Systems Design, organised by the Sensor and Propagation Panel, paper No 13, Athens, Greece, 18-21 September 1995.
- D9. Papatsoris, A D**, Randhawa, B S and Marvin, A C, ‘Millimetre Wave Propagation in Ice Clouds’, invited paper, Symposium on Progress in Electromagnetics Research (PIERS 97), SchlumbergerDoll Research, MIT, Cambridge, Massachusetts, USA, 7-11 July 1997.
- D10. Karagiannidis, G, Papatsoris, A D**, Bouzouki, S, Kotsopoulos, S, Pantazopoulos, K, Apostolopoulos, G, Doukas, A, and Karaboulas, D, ‘On the RF indoor and open area propagation modelling at 900 MHz in Patras area of Greece’ International Conference of PhD Students, University of MISKOLC, Hungary, 11-17 August 1997.
- D11. Davies, O T and Papatsoris, A D**, ‘Clear-air attenuation maps for the United Kingdom and Ireland at millimetre window frequencies’, invited paper, Symposium on Progress in Electromagnetics Research, (PIERS 98), 13-17 July 1998, Nantes, France.
- D12. Bandera, J Papatsoris, A D**, Watson, P A, Tan, J and Goddard, J W ‘Vertical characteristics of rainstorms measured with a rain radar’ Proc. of URSI 8th Commission-F, Triennial Open Symposium, Portugal, pp. 41-43, ISBN 972-8021-65-8, September 1998.
- D13. Bandera, J, Papatsoris, A D**, Watson, P A, Tan, J, and Goddard, J W, ‘A new method for the determination of the width of the melting band’, Proc. of URSI 8th Commission-F, Triennial Open Symposium, Portugal, ISBN 972-8021-65-8, September 1998.
- D14. Randhawa, B S, Marvin, A C, and Papatsoris, A D**, ‘Hybrid Uniform Theory of Diffraction Finite-

Difference Time-Domain Method for Scattered Waves', IEEE AP-S International Symposium and USNC/URSI National Radio Science Meeting, Orlando, FL, USA, 11-16 July 1999.

D15. Lazou, A A, and **Papatsoris A D**, 'The Economics of PV Grid-Connected Residential Households', Proceedings of the 6th National Conference on Optimisation of Energy Processes, Volos, Vol. A, pp. 335-342, Greece, 3-5 November 1999.

D16. Lazou, A A, and **Papatsoris A D**, 'The Economic Analysis of Stand-Alone Residential Photovoltaic Systems', Proceedings of the 6th National Conference on Optimisation of Energy Processes, Vol. A, pp. 343-354, Volos, Greece, 3-5 November 1999.

D17. Flintoft, I D, **A D Papatsoris**, D Welsh, and Marvin, A C, 'Cumulative radiated emissions from metallic broadband data distribution systems', Cagliari EMC Workshop 2000, Cagliari, Italy, 20-23 May 2000.

D18. D Welsh, **A D Papatsoris**, Flintoft, I D, and Marvin, A C, 'Investigation of likely increases in established radio noise floor due to widespread deployment of PLT, ADSL and VDSL broadband access technologies', paper 111Q1, Session "EMC in Communications Systems", pp.595-600, EMC Zurich'01, Zurich, Switzerland, 20-22 February 2001.

D19. **A D Papatsoris**, 'High Altitude Platforms', invited paper in the session 'The wireless future of communications', 4th IEEE InfoCom Conference (Scientific Section), Athens, Greece, 17 June 2002.

D20. Flintoft, I D, **Papatsoris, A D**, Welsh, D, Capstick, M H, and Marvin, A C, 'Radiated Emissions from Unstructured Networks: Potential Impact on Maritime and Aeronautical Radio Services', Special Session on "EMC in Networks", pp. 93-98, paper D18, EMC Zurich'03, Zurich, Switzerland, 18-20 February 2003.

D21. Flintoft, I D, **Papatsoris, A D**, Welsh, D W, and Marvin, A C, 'Modelling of the cumulative emissions of unstructured telecommunications transmission', COST 286 Workshop, Liege, Belgium, March 2004.

D22. Georgiadis, A, **Papatsoris, A D**, Mulgrew, B, 'MMSE Optimisation for LS Channel Estimation in Wideband DS-CDMA Rake Receivers' [ICASSP 2006 IEEE International Conference on Acoustics, Speech and Signal Processing](#), Volume 4, pp. IV-IV, Toulouse, France, 14-19 May 2006.

D23. **Αναστάσιος Παπατσώρης**, 'Πεδία και Παιδεία στην Κινητή Τηλεφωνία', Ημερίδα της Εθνικής Επιτροπής Τηλεπικοινωνιών & Ταχυδρομείων με θέμα «Κεραίες Κινητής Τηλεφωνίας: Υπεύθυνος Διάλογος για την Έγκυρη Ενημέρωση και την Προστασία των Πολιτών», Θεσσαλονίκη, 30 Ιανουαρίου 2007.

D24. **A D Papatsoris**, K. Polimeris, I. Sklari and A A Lazou, 'Characteristics of rainfall for radiowave propagation studies in Greece', IEEE International Symposium on Antennas & Propagation and USNC/URSI National Radio Science Meeting, San Diego, USA, July 5-11, 2008.

D25. **A D Papatsoris**, K. Polimeris, I. K. Sklari and A A Lazou, 'Development of rain attenuation and rain-rate maps for satellite communications system design in Greece', IEEE International Symposium on Antennas & Propagation and USNC/URSI National Radio Science Meeting, San Diego, USA, July 5-11, 2008.

D26. **A D Papatsoris**, K. Polimeris, I. K. Sklari and A A Lazou, 'Rainfall Statistics for Microwave and Millimetre Wave Communication Systems Planning in Greece', IEEE International 2010 IEEE International Conference on Wireless Information Technology and Systems, Honolulu, Hawaii, USA Aug. 28 - Sep. 3, 2010.

D27. **A. D. Papatsoris**, "Rainfall Statistics for Microwave and Millimeter-wave Communication Systems Planning in Greece", 2nd Panhellenic Conference on Electronics & Telecommunications, 16-18 March, Thessaloniki, Greece, 2012.

D28. S. Tsitsos, **A. Papatsoris**, I. Peikou, and A. Chatziapostolou, "Design of an improved performance dual-band power divider", *Automated RF and Microwave Measurement (ARMMS) Conference*, Wyboston, U.K., 18-19 Nov. 2013.

S. Tsitsos, H. T. Anastassiou and **A. Papatsoris**, "3-Way Wide-Band Planar Power Divider", 22nd

Telecommunications Forum, TELFOR 2014, Belgrade, Serbia, November 25-27, 2014.

D29. A. D. Papatsoris and D. Varsamis, "Utilization of the MF band for Providing Digital Radio Services in Greece", 3rd Panhellenic Conference on Electronics & Telecommunications, 8-9 May, Ioannina, Greece, 2015.

E. INTERNATIONAL WORKSHOPS/SEMINARS

E1. Papatsoris, A D, ‘The ITU and International Spectrum Management’, INA Workshop on Spectrum Management, Thessaloniki, Greece, 17-18 April 2003.

E2. Papatsoris, A D, ‘Radio Communication Principles’, INA Workshop on Spectrum Management, Thessaloniki, Greece, 17-18 April 2003.

E3. Papatsoris, A D, ‘The Economics of Spectrum Management’, INA Workshop on Spectrum Management, Thessaloniki, Greece, 17-18 April 2003.

E4. Papatsoris, A D, ‘New Communications Technologies and Challenges for Spectrum Management’, INA Workshop on Spectrum Management, Thessaloniki, Greece, 17-18 April 2003.

E5. Papatsoris, A D, ‘High Altitude Platforms and Spectrum Management’, INA Workshop on Spectrum Management, Thessaloniki, Greece, 17-18 April 2003.

E6. Papatsoris, A D, ‘Standards and Radio Equipment’, INA Workshop on Spectrum Management, Thessaloniki, Greece, 17-18 April 2003.

E7. Papatsoris, A D, ‘Antennas and Radio Propagation – Part 1’, ITU/INA Workshop on Radio Propagation & Spectrum Planning, Sofia, Bulgaria, 18-19 September 2003.

E8. Papatsoris, A D, ‘Antennas and Radio Propagation – Part 2’, ITU/INA Workshop on Radio Propagation & Spectrum Planning, Sofia, Bulgaria, 18-19 September 2003.

E9. Papatsoris, A D, ‘Ground Wave Propagation’, ITU/INA Workshop on Radio Propagation & Spectrum Planning, Sofia, Bulgaria, 18-19 September 2003.

E10. Papatsoris, A D, ‘Ionospheric Propagation’, ITU/INA Workshop on Radio Propagation & Spectrum Planning, Sofia, Bulgaria, 18-19 September 2003.

E11. Papatsoris, A D, ‘Space Wave Propagation’, ITU/INA Workshop on Spectrum Monitoring – Measurement and Techniques, Skopje, FYR Macedonia, 30 March-1 April 2004.

E12. Papatsoris, A D, ‘Measurements & Techniques’, ITU/INA Workshop on Spectrum Monitoring – Measurement and Techniques, Skopje, FYR Macedonia, 30 March-1 April 2004.

E13. Papatsoris, A D, ‘Measurement of Frequency, Field Strength and Power Flux Density’, ITU/INA Workshop on Spectrum Monitoring – Measurement and Techniques, Skopje, FYR Macedonia, 30 March-1 April 2004.

E14. Papatsoris, A D, ‘Spectrum Management and Monitoring’, ITU/INA Workshop on Spectrum Monitoring – Measurement and Techniques, Skopje, FYR Macedonia, 30 March-1 April 2004.

E15. Papatsoris, A D, ‘The Economics of Radio Spectrum’, ITU (CoE 6842) Workshop on Monitoring of Radio Frequency Spectrum, Kyiv, Ukraine, 1-4 June 2004.

E16. Papatsoris, A D, ‘New Communications Technologies and Implications on Spectrum Monitoring’, ITU (CoE 6842) Workshop on Monitoring of Radio Frequency Spectrum, Kyiv, Ukraine, 1-4 June 2004.

E17. Papatsoris, A D, ‘Synoptic Overview of Emerging Digital Communications Technologies’, ITU (CoE 7718 & 7719) Workshop on Spectrum Monitoring & Management Issues’, Skopje, FYR Macedonia, 1-3 November 2005.

E18. Papatsoris, A D, ‘Human Exposure to Electromagnetic Radiation & Radio Monitoring’, ITU (CoE 7718 & 7719) Workshop on Spectrum Monitoring & Management Issues’, Skopje, FYR Macedonia, 1-3 November 2005.

F. COURSE NOTES

F1. Papatsoris, A D, *Basic Electromagnetic Theory*, booklet for the **postgraduate (MSc)** students of the department of Electronics of the University of York, January 1997.

- F2. Papatsoris, A D**, *Radio Communications*, course notes for the undergraduate and **postgraduate (MSc)** students of the department of Electronics of the University of York, February 1996.
- F3. Papatsoris, A D**, *Radio Propagation Prediction*, course notes for the **postgraduate (MSc)** students of the department of Electronics of the University of York, April 1997.
- F4. Papatsoris, A D**, *Digital Communications*, course notes for the students of the department of Electronics of the University of York, February 2000.
- F5. Papatsoris, A D**, *Information Theory*, course notes for the students of the department of Electronics of the University of York, April 2000.
- F6. Papatsoris, A D**, *Mobile Communications*, course notes for the students of the department of Informatics & Communications of the Serres Institute of Education & Technology, August 2009.
- F7. Papatsoris, A D**, *Communications I*, course notes for the students of the department of Informatics & Communications of the Serres Institute of Education & Technology, March 2007.
- F8. Papatsoris, A D**, *Communications II*, course notes for the students of the department of Informatics & Communications of the Serres Institute of Education & Technology, August 2012.
- F9. Papatsoris, A D**, *Telecommunications Policy and the Regulatory Environment*, course notes for the **postgraduate (MSc)** students of the department of Informatics & Communications of the Serres Institute of Education & Technology, January 2014.

G. SELECTED REGULATORY AND TECHNICAL PUBLICATIONS

- G1.** *Invitation to Tender for FWA Services*, National Telecommunications & Post Commission, Kifisias 52, 15125 Maroussi, October 2000.
- G2.** *Invitation to Tender for 3rd and 2nd Generation Public Mobile Communication Services*, National Telecommunications & Post Commission, Kifisias 52, 15125 Maroussi, July 2001.
- G3.** *Spectrum Fees for PMR Services*, National Telecommunications & Post Commission, Kifisias 52, 15125 Maroussi, June 2001
- G4.** *Open Tender for the Implementation of the first phase of a National Spectrum Management & Monitoring System*, National Telecommunications & Post Commission, Kifisias 52, 15125 Maroussi, June 2002.
- G5.** *AEC 27 Bylaw, Article on Fixed Wireless Access Utilization*, Agency for Electronic Communications, 13 Dimitrie Čupovski Street, 1000 Skopje, Former Yugoslavian Republic of Macedonia, September 2005.
- G6.** *Προσδιορισμός ζητημάτων ασφαλείας των νέου τύπου δελτίων ταυτότητας των Ελλήνων Πολιτών σύμφωνα με την υπ. Αριθμ. 8200/0-297647/10-04-2018 ΚΥΑ*, Επιτροπή Ερευνών ΤΕΙ Κεντρικής Μακεδονίας, Ιανουάριος 2019.

H. ΚΑΤΑ ΠΡΟΣΚΛΗΣΗ ΟΜΙΛΗΤΗΣ ΣΕ ΕΛΛΗΝΙΚΕΣ ΗΜΕΡΙΔΕΣ/ΣΥΝΕΔΡΙΑ ΜΕ ΠΡΑΚΤΙΚΑ

- H1. Α. Δ. Παπατσώρης**, “Πεδία και Παιδεία στην Κινητή Τηλεφωνία”, στην Ημερίδα της Εθνικής Επιτροπής Τηλεπικοινωνιών και Ταχυδρομείων με τίτλο *Κεραίες Κινητής Τηλεφωνίας: Υπεύθυνος Διάλογος για την Έγκυρη Ενημέρωση και Προστασία των Πολιτών*, Ξενοδοχείο ΜΑΚΕΔΟΝΙΑ ΠΑΛΑΣ, 30 Ιανουαρίου 2007.
- H2. Α. Δ. Παπατσώρης**, “Ψηφιακή Τηλεόραση και Περιφερειακοί Σταθμοί”, 1ο Πανελλήνιο Συνέδριο Τηλεοπτικών Σταθμών Περιφέρειας, 1ο Πανελλήνιο Συνέδριο Τηλεοπτικών Σταθμών Περιφέρειας,

ΕΠΕΚ (Ένωση Περιφερειακών Καναλιών Ελλάδος) και ΤΕΠ (Τηλεόραση Ελληνικής Περιφέρειας), Ξενοδοχείο Divani CARAVEL, 6 Ιουλίου 2010.

Η3. Α. Δ. Παπατσώρης, “Ψηφιακό Μέρισμα και Διαχείριση Φάσματος”, στην Ημερίδα με τίτλο *Επίγεια Ψηφιακή Τηλεόραση: Ρυθμίσεις και Αρρυθμίες*, Ινστιτούτο Οπτικοακουστικών Μέσων (ΙΟΜ), Κέντρο Τύπου της Γενικής Γραμματείας Επικοινωνιών, 30 Νοεμβρίου 2010.

Η4. Α. Δ. Παπατσώρης, “Πράσινες επικοινωνίες στα δίκτυα κινητής τηλεφωνίας 5ης γενιάς”, στην Ημερίδα με τίτλο *Go GREEN*, Τμήμα Περιβάλλοντος του Δήμου Σερρών και του Ερευνητικού Εργαστηρίου Δομημένου Περιβάλλοντος (Be Lab), Πανεπιστημιούπολη Σερρών, Διεθνές Πανεπιστήμιο Ελλάδος, 5 Ιουνίου 2019.