

Antonis A. ALEXANDRIDIS

CURRICULUM VITAE

Dr. Antonis A. ALEXANDRIDIS

Research Director
Institute of Informatics and Telecommunications
National Research Centre "Demokritos"

PERSONAL DATA

Date of Birth: 14 - 7- 1962
Marital Status: Married, 2 children
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EDUCATION

1986 – 1992: University of Patras, Department of Electrical Engineering
PhD in Telecommunications
Thesis title: "Use of Orthogonal Short Length Sequences in a Code
Division Multiplexing (CDM) System: Application in a
Local Area Network"
1980 – 1985: University of Patras, Department of Electrical Engineering
Diploma in Electrical Engineering

WORKING EXPERIENCE

2008- to date: Research Director at Wireless Communications Laboratory, Inst. of
Informatics and Telecom., NCSR "Demokritos".
2003- to date: Head of the Wireless Communications Laboratory, Inst. of Informatics
and Telecom., NCSR "Demokritos".
2002- 2007: Senior Researcher at Wireless Communications Laboratory, Inst. of
Informatics and Telecom., NCSR "Demokritos".
1999- to date: Responsible for the operation of the RF Anechoic Chamber of the Inst.
of Informatics and Telecom. and head of the Laboratory for provision

of advanced services in the area of antenna characterization and EM radiation measurements.

- 1997-2001: Researcher at Wireless Communications Laboratory, Inst. of Informatics and Telecom., NCSR "Demokritos".
- 1995-1997: Senior Associate Researcher at Mobile Communications Laboratory, Inst. of Informatics and Telecom., NCSR "Demokritos".
- 1993-1995: Research associate at Digital Telecommunications Laboratory, Inst. of Informatics and Telecom., NCSR "Demokritos".
- 1991-1992: Military service in the Greek Army, Special Scientist in Hellenic Navy Research Centre (GETEN), Ministry of Defense.
- 1986-1990: Graduate student holding a scholarship from Inst. of Informatics and Telecom., NCSR "Demokritos"

Professional Affiliations

- Member of the Institution of Electrical and Electronic Engineers (IEEE)
- Representative of NCSR "Demokritos" in the European Association on Antennas and Propagation (EurAAP)
- Member of the Technical Chamber of Greece

RESEARCH INTERESTS and ACTIVITIES

Signal propagation in mobile communication systems,
Propagation Models,
Fading channel characteristics,
Spread Spectrum Systems and CDMA Techniques,
Electromagnetic Compatibility,
Human Exposure to EM fields,
Interaction between Human Body and Antennas,
Antenna technologies,
Smart Antennas and MIMO Systems.

RESEARCH PROJECTS

Scientific responsible person for the Inst. of Informatics and Telecom. in the following research projects:

- 2006 – 2007 "ACE-2: Antenna Centre of Excellence", (FP6/IST/NoE, Network of Excellence)
- 2004 – 2005 "ACE-1: Antenna Centre of Excellence", (FP6/IST/NoE, Network of Excellence)

- 2003 – 2005 "FOR-EMC: Forum of laboratories implementing EU Electromagnetic Compatibility Directive" (GROWTH/Thematic Networks, FP5)
- 2002 – 2003 "Study of interaction between the antenna of mobile handsets and the human body" (GSRT, Greek Ministry for Development, bilateral R&T Co-operation Program) (Project Coordinator)

Technical manager in the following research project:

- 2008 –2009 "ESA META-PATCHES": Novel Metamaterials for Patch Antennas Applications (funded by European Space Agency - ESA)

Member of research group in several national and international R&D projects.
(Sample of the European projects are given below)

ESPRIT (FCPN),
CTS-3 (ERMES, DECT),
IST/FP5 (WIN, MAMBO, REPOSIT),
IST/FP6 (ACE-I, ACE-II, ATHENA, IMOSAN, ENTHRONE-I, ENTHRONE-II, UNITE),
ICT/FP7 (ADAMANTIUM, HURRICANE).)

EDUCATIONAL ACTIVITIES

Since 1999 and for more than ten years has been teaching Communications Theory and Cellular Systems in courses for postgraduate students at the Department of Physics, University of Ioannina, Greece.

3 Ph.D. candidates have been successfully completed their dissertations under his supervision and awarded their PhD and one is in the final stage for submission of his thesis.

2006-2007: Responsible for the Postgraduate Education of the Inst. of Informatics and Telecom.(IIT), NCSR "Demokritos", representing the Institute at the Postgraduate Committee of the NCSR "Demokritos".

As responsible of the IIT's education activities (2006-2007) had significant contribution in shaping a Collaboration Agreement between IIT and University of Loughborough, UK, towards joint PhD programs.

OTHER ACTIVITIES

- Invited talks and seminars in academic and research institutions.
- Program committee member and member of the organizing committee of various International and National Conferences and Workshops.
- Reviewer for various international journals, international conferences.

PUBLICATIONS

Journals

- J1 Alexandridis A.A., Dangakis K., Makios V., Mantakas C., "Use of Synchronous Code Division Multiple Access Techniques with Short Coding Sequences in the Development of a Local Communication Network", *International Journal of Electronics*, Vol.68, No.6, June 1990.
- J2 Alexandridis A.A., Dangakis K., Makios V., Mantakas C., "Communication Protocol for a Local Network based on Code Division Multiplexing", *International Journal of Electronics*, Vol.70, No.6, June 1991.
- J3 F. Lazarakis, A.A. Alexandridis, K. Dangakis, G. S. Tombras, P. Kostarakis, "Evaluation of a Terrain-Based Point-to-Point Propagation Model in the 900 MHz band", *International Journal of Communication Systems*, Vol. 10, No. 2, pp 65 -71, 1997.
- J4 P. L. Katrivanos, A. J. Purnell, A. A. Alexandridis, C. G. Siontorou, C. White, "An Integrated System Connected to Biosensing Systems Based on Self-assembled Metal-Supported Bilayer Lipid Membranes", *Laboratory Robotics and Automation*, Vol. 10, No. 4, pp 239-246, 1998
- J5 A. P. Leros, A. A. Alexandridis, K. Dangakis, P. Kostarakis, "Feasibility of Neural Networks in Modeling Radio Propagation for Field Strength Prediction", *International Journal of Communication Systems* Vol. 11, No. 6, pp 359 -368, 1998.
- J6 A.A.Alexandridis, K. Dangakis, P. Kostarakis, F. Lazarakis, "A method of accurate determination of azimuthal distribution of received RF power", *International Journal of Communication Systems*, Vol. 14, No. 2, pp 189 -197, 2001
- J7 A.A.Alexandridis, F. Lazarakis, K. Dangakis, P. Kostarakis, A. Kourtis, "Normalization of Propagation Measurements with respect to Terrain Effect", *International Journal of Communication Systems* Vol. 14, No. 3, pp 333 -343, 2001
- J8 E. Pallis, A. Kourtis, A.A. Alexandridis, M.C.B. Smith, "Wireless provision of true VoD services and fast access to Internet", *International Journal of Communication Systems*, Vol.15, No.5, pp 401-415, 2002.
- J9 T. Zervos, A.A. Alexandridis, V.V. Petrović, K. Dangakis, B.M. Kolundžija, A.R. Đorđević, C.F. Soras, "Mobile phone antenna performance and power absorption in terms of handset size and distance from user's head", *Wireless Personal Communications*, Springer, Vol. 33, No.2, pp 109-120, April 2005.
- J10 T. Zervos, A.A. Alexandridis, F. Lazarakis, K. Dangakis, C. Soras, "Array Factor measurements: a preliminary stage in a methodology for Smart Antenna

characterization measurements”, WSEAS Transactions on Communications, Vol. 4, Issue 10, pp.1108-1115, October 2005

- J11 A. Alexiou, P. Kostarakis, V. N. Christofilakis, T. Zervos, A. A. Alexandridis, K. Dangakis, C. Soras, V. V. Petrović, B. M. Kolundžija and A. R. Dordević, “Interaction Between GSM Handset Helical Antenna and User's Head: Theoretical Analysis and Experimental Results”, The Environmentalist, Publisher: Springer Science+Business Media B.V., Formerly Kluwer Academic Publishers B.V, ISSN: 0251-1088 (Paper) 1573-2991 (Online), DOI: 10.1007/s10669-005-4286-6, Issue: Volume 25, Numbers 2-4, December 2005, pp 215 – 221, Special Issue: Biological Effects of Electromagnetic Fields.
- J12 E. S. Angelopoulos, A. Z. Anastopoulos, D. I. Kaklamani, A. A. Alexandridis, F. Lazarakis, K. Dangakis, “A Novel Wideband Microstrip-Fed Elliptical Slot Array Antenna for Ku-Band Applications”, Wiley, Microwave and Optical Technology Letters, Vol. 48, No. 9, pp 1824-1828, September 2006
- J13 Angelopoulos, E.S.; Anastopoulos, A.Z.; Kaklamani, D.I.; Alexandridis, A.A.; Lazarakis, F.; Dangakis, K.; “Circular and elliptical CPW-fed slot and microstrip-fed antennas for ultrawideband applications” IEEE Antennas and Wireless Propagation Letters, Volume 5, 2006 Page(s):294 – 297
- J14 T. Zervos, K. Peppas, F. Lazarakis, A. A. Alexandridis, K. Dangakis, C. Soras, “Channel Capacity Evaluation for a MIMO Terminal in the Presence of User’s Hand”, IET Microwaves, Antennas & Propagation, special issue on Antenna Systems and Propagation for Future Wireless Communications, vol.1, no.6, December 2007, pp. 1137-1144.
- J15 K. Peppas, F. Lazarakis, D. I. Axiotis, T. Al-Gizawi, A.A. Alexandridis, “System Level Performance Evaluation of MIMO and SISO OFDM-based WLANs”, Springer Journal on Wireless Networks, Vol. 15, No 7, pp 859-873, 2009.
- J16 V. N. Christofilakis, P. Kostarakis, A. A. Alexandridis, F. Lazarakis, K. Dangakis, “Increasing Direction-of-Transmission Resolution in Digital Time-Delay Beamformers”, International Journal of Electronics and Communications (AEU), vol.62, no.1, 2008, pp. 49-56.
- J17 K. Peppas, F. Lazarakis, A. Alexandridis, K. Dangakis, “Error Performance of Digital Modulation Schemes with MRC Diversity Reception over η - μ fading channels”, IEEE Trans. on Wireless Communications, Volume 8, Issue 10, Page(s):4974 – 4980, October 2009.
- J18 Nikos C. Sagias, Fotis I. Lazarakis, Antonis A. Alexandridis, Kostas P. Dangakis and George S. Tombras, “Higher Order Capacity Statistics of Diversity Receivers”, Wireless Personal Communications, DOI 10.1007/s11277-009-9837-6, Published online: 5 November 2009.
- J19 K.P. Peppas, F. Lazarakis, T. Zervos, A. Alexandridis, and K. Dangakis, “Sum of Non-Identical Independent Squared η - μ Variates and Applications in the

Performance Analysis of DS-CDMA Systems”, IEEE Trans. Wireless Commun., vol. 9, no. 9, pp. 2718–2723, Sept. 2010

- J20 Peppas K, F. Lazarakis, A. Alexandridis and K. Dangakis, “Cascaded generalized-K fading channel”, IET Communications, 2010 4(1), pp. 116-124.
- J21 Kostas Peppas, Fotis Lazarakis, Charalambos Skianis, Antonis A. Alexandridis, and Kostas Dangakis, “Impact of MIMO Techniques on the Interoperability between UMTS-HSDPA and WLAN Wireless Systems”, IEEE Surveys and Tutorials (accepted for publication).

Book Chapters

- B1 P. Kostarakis, A.A. Alexandridis, K. Dangakis, A. Vlahakis, P. Katrivanos, F. Lazarakis, A. Paschalis and N. Gaitanis, “Conformance Testing Trials on ERMES Receivers”, chapter in the book "Testing of Communicating Systems" (edited by B. Baumgarten, H.-J. Burkhardt and A. Giessler), Chapman & Hall, ISBN 0-412-78790-3, 1996, pp. 30-41.
- B2 A. Alonistioti, P. Kostarakis, K. Dangakis, A. A. Alexandridis, A. Paschalis, N. Gaitanis, S. Xiroutsikos, E. Adilinis, A. Vlahakis, P. Katrivanos, “Integration of Test Procedures and Trials for DECT Handsets”, chapter in the book "Testing of Communicating Systems", Volume 10, (edited by Myungchul Kim, Sungwon Kang, Keesoo Hong), Chapman & Hall, ISBN 0-412-81730-6, 1997, pp. 57-64.
- B3 E. Pallis, M.C.B. Smith, A.A. Alexandridis, A. Kourtis, K. Dangakis, P. Kostarakis, G. Kormentzas, chapter with title “Fast Internet and multimedia services: Facing the new challenge” in the book "Third Generation Mobile Telecommunication Systems, UMTS and IMTS-2000”, Springer Verlag, ISBN 3-540-67850-6, pp. 557-589.
- B4 T. Zervos, A.A. Alexandridis, V.V. Petrović, K. Dangakis, B.M. Kolundžija, D. Olćan, A.R. Đorđević, C. Soras, "Accurate measurements and modelling of interaction between the human head and the mobile handset" chapter in special issue with title: “Recent Advances in Communications and Computer Science”, Electrical and Computer Engineering Series, ISBN 960-8052-86-6, pp 62-67, 2003.
- B5 V. N. Christofilakis, A. A. Alexandridis, K. P. Dangakis, P. Kostarakis, "Time Critical Parameters for Beamforming in Software Radios" chapter in special issue with title: “Recent Advances in Communications and Computer Science”, Electrical and Computer Engineering Series, ISBN 960-8052-86-6, pp.30-36, 2003.

Conference Proceedings

- C1 Alexandridis A.A., Mantakas C., Narli E., Boucher J., "Development of a Fiber Optic LAN with Spread Spectrum Multiplexing", Proceedings of the 7th European Symposium on Optoelectronics (OPTO 87), Paris, May 1987.

- C2 Kourtis A., Alexandridis A.A., Mantakas C., "Indoor Wireless Diffused Infrared Network with Code Division Multiple Access Technique", ESPRIT CIM-EUROPE 6th Annual Conference, 15-17 May 1990, Lisbon, Portugal.
- C3 F. Lazarakis, K. Dangakis, A. Alexandridis and G. S. Tombras, "Field Measurements and Coverage Prediction Model Evaluation Based on a Geographical Information System", Fifth IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'94), pp 274-279, Sept. 1994.
- C4 F. Lazarakis, K. Dangakis, A. Alexandridis and G. S. Tombras, "A Point-to-Point Mobile Radio Prediction Model Based on Effective Height Estimation for the Region of Athens", Fifth IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'94), pp 258-262, Sept. 1994.
- C5 A.A. Alexandridis, A. Paschalis, K. Dangakis, P. Kostarakis, F. Lazarakis and N. Gaitanis, "Test Procedures for DECT Physical Layer Conformance Testing" International Conference on Telecommunications, ICT'95, Bali, Indonesia, pp 106-109, 3-5 April 1995.
- C6 A.A. Alexandridis, A. Paschalis, K. Dangakis, P. Kostarakis, F. Lazarakis and S. Xiroutsikos, "Conformance Testing Measurements and Results on DECT Handsets", Fifth IEEE International Conference on Advances in Communication and Control (COMCON 5), Chania, Greece, pp 684-694, June 1995).
- C7 F. Lazarakis, A. A. Alexandridis, K. Dangakis, G. S. Tombras, K. G. FILIS, "Evaluation of a Propagation Model for the Region of Athens, Measurements and Statistical Analysis", International Workshop on Mobile Communications, Thessaloniki, Greece, pp 114-118, Sep. 1996.
- C8 K.G. Filis, A.A. Alexandridis, K. Dangakis, F. Lazarakis, "Interference Considerations for Mobile B-CDMA and LOS FSK with Applications to PCS", International Workshop on Mobile Communications, Thessaloniki, Greece, pp 199-203, Sep. 1996.
- C9 P. Kostarakis, A. A. Alexandridis, K. Dangakis, P. Katrivanos, A. Vlahakis, F. Lazarakis, A. Alonistioti, "Reference Implementation for ERMES Conformance Testing System", 6th International Conference on Advances in Communication and Control (COMCON6), Corfu, Greece, pp 281-288, June 1997.
- C10 A. Alonistioti, P. Kostarakis, K. Dangakis, A. A. Alexandridis, "Issues on Integration of Control Signaling in UMTS Access Network", 6th International Conference on Advances in Communication and Control (COMCON6), Corfu, Greece, pp 649-658, June 1997.
- C11 N. Gaitanis, A. Paschalis, D. Gizopoulos, P. Kostarakis, K. Dangakis, A. A. Alexandridis, A. Alonistioti, "A Duplication System with TSC Reconfiguration

Capability”, 3rd IEEE International On-Line Testing Workshop, Aghia Pelaghia, Crete, Greece, pp 141-145, July 1997.

- C12 A. P. Leros, A. A. Alexandridis, K. Dangakis, P. Kostarakis, “Evaluation of Radio Propagation Parameters for Field Strength Prediction using Neural Networks,” 1998 IEEE-APS Conference on Antennas and Propagation for Wireless Communications, Waltham, MA, USA, pp 17-20, November 1998.
- C13 E. Pallis, A. Kourtis, A. Alexandridis, G. Pantos, Ph. Constantinou, “Provision of Internet and digital MPEG-2 programs via a wireless broadband network”, 4th ACTS Mobile Communication Summit, Sorrento, Italy, June 1999.
- C14 E. Pallis, M.C.B. Smith, A.A. Alexandridis, A. Kourtis, K. Dangakis, P. Kostarakis, “Wireless provision of fast access to Internet and multimedia services to stationary and portable stations”, 1999 International Workshop on Mobile Communications focused on UMTS and IMT-2000, Chania, Crete, Greece, pp 417-423, June 1999.
- C15 E. Pallis, G. Pantos, A. Kourtis, A.A. Alexandridis, “QoS in the provision of MPEG-2 programmes in a wireless indoor environment”, 1999 International Workshop on Mobile Communications focused on UMTS and IMT-2000, Chania, Crete, Greece, pp 105-111, June 1999.
- C16 A. A. Alexandridis, K. Dangakis, P. Kostarakis, A. Kourtis, “Measurements of the RF power angular distribution”, 1999 International Workshop on Mobile Communications focused on UMTS and IMT-2000, Chania, Crete, Greece, pp 320-324, June 1999.
- C17 A. A. Alexandridis, K. Dangakis, P. Kostarakis, “Accurate measurements of received RF power”, 7th International Conference on Advances in Communication and Control (COMCON7), Athens, Greece, July 1999.
- C18 P. Kostarakis, K. Dangakis, A. A. Alexandridis, "A New Method For Antenna Radiation Pattern Determination", International Conference on Telecommunications, ICT2000, Acapulco, Mexico, pp 887-890, May 2000.
- C19 E. Pallis, A.A. Alexandridis, G. Pantos, A. Kourtis, PH. Constantinou, "Provision of true VoD services via a broadband wireless networking infrastructure", 4th WORLD MULTICONFERENCE on Circuits, Systems, Communications & Computers (CSCC 2000), Athens, Greece, July 2000. (Published also in the book: “Signal Processing, Communications and Computer Science”, ed. N. Mastorakis , Electrical and Computer Engineering Series, World Scientific Engineering Society, ISBN 960-8052-18-1, pp. 107-113.)
- C20 V. Christofilakis, A. A. Alexandridis, P. Kostarakis, K. Dangakis, “Analog to Digital Converter: a Key Concept in the Implementation of a 3G Software Defined Radio Receiver”, IST Mobile & Wireless Telecommunications Summit, pp. 416-422, June 2002, Thessaloniki, Greece

- C21 V. N. Christofilakis, A. A. Alexandridis, P. Kostarakis, K. Dangakis, "Software Defined Radio Implementation aspects related to the ADC performance", 6th WSEAS International Multiconference on Circuits, Systems, Communications and Computers (CSCC 2002), pp. 3231-3239 July 2002, Rethymno, Greece
- C22 P. P. Lemos, P. Kostarakis, A. A. Alexandridis, K. Dangakis, J. Koukos, V. Christofilakis, S. Issaakides "Scattering from real scatterers: Comparison of FEM computations and indoor measurements" 6th International Workshop on Finite Elements For Microwave Engineering, Antennas, Circuits and Devices, May 2002, Chios, Greece
- C23 V. Christofilakis, A. A. Alexandridis, P. Kostarakis, K. Dangakis, C. T. Angelis, D. Papadimitriou, "Low EMF Interaction Antennas In Cellular Communication Systems", 2nd International Workshop on Biological Effects of Electromagnetic Fields, pp. 334-343, October 2002, Rhodes, Greece.
- C24 A.A. Alexandridis, V.V. Petrović, K. Dangakis, B.M. Kolundžija, P. Kostarakis, M. Nikolić, T. Zervos, A.R. Đorđević, "Accurate modelling and measurements of a mobile handset EM radiation", 2nd International Workshop on Biological Effects of Electromagnetic Fields, pp. 251-259, October 2002, Rhodes, Greece.
- C25 T. Zervos, A.A. Alexandridis, V.V. Petrović, K. Dangakis, B.M. Kolundžija, D. Olćan, A.R. Đorđević, C. Soras, "Accurate measurements and modelling of interaction between the human head and the mobile handset", 7th WSEAS International Conference on Communications, July 2003, Corfu, Greece
- C26 V. N. Christofilakis, A. A. Alexandridis, K. P. Dangakis, P. Kostarakis, "Time Critical Parameters for Beamforming in Software Radios" 7th WSEAS International Conference on Communications, July 2003, Corfu, Greece
- C27 T. Zervos, A.A. Alexandridis, V.V. Petrović, K. Dangakis, B.M. Kolundžija, A.R. Đorđević, C. Soras, "Dependence of the EM power absorbed in the head of a mobile phone user on the phone-head distance", URSI 2004 International Symposium on Electromagnetic Theory, pp. 1119 -1121, May 2004, Pisa, Italy
- C28 T. Zervos, A.A. Alexandridis, V.V. Petrović, K. Dangakis, B.M. Kolundžija, A.R. Đorđević, C. Soras, "Mobile handset radiation efficiency as a function of the antenna position relative to the human head", 8th WSEAS International Conference on Communications, July 12-13, 2004, Athens, Greece, this work appears also in WSEAS TRANSACTIONS ON COMMUNICATIONS, ISSN: 1109-2742, Issue 2, Vol 3, April 2004, pp. 562-567
- C29 T. Zervos, A.A. Alexandridis, V.V. Petrović, K. Dangakis, B.M. Kolundžija, A.R. Đorđević, C. Soras, "Comparison between helical and monopole antennas regarding mobile handset and human head interaction", Proc. of 3rd International Workshop on Biological effects of Electromagnetic Fields, pp. 239-243, October 2004, Kos, Greece.
- C30 A. Alexiou, T. Zervos, A.A. Alexandridis, K. Dangakis, V.V. Petrović, P. Kostarakis, C. Soras, "Measurements of interaction between a GSM handset

helical antenna and user's head", Proc. of 3rd International Workshop on Biological effects of Electromagnetic Fields, pp. 87-92, October 2004, Kos, Greece.

- C31 T. Zervos, A.A. Alexandridis, F. Lazarakis, K. Dangakis, C. Soras, "Array factor measurements towards array antennas characterization", Proc. of 9th WSEAS International Conference on Communications, July 2005, Vouliagmeni, Athens, Greece
- C32 A. Z. Anastopoulos, E. S. Angelopoulos, D. I. Kaklamani, A. Alexandridis, F. Lazarakis, K. Dangakis, "Circular and Elliptical CPW-Fed Slot and Microstrip-Fed Antennas for Ultra Wide-Band Applications", Mediterranean Microwave Symposium 2005 (MMS '05), 6-8 September 2005, Athens, Greece
- C33 E. S. Angelopoulos, A. Z. Anastopoulos, D. I. Kaklamani, A. A. Alexandridis, F. Lazarakis, and K. Dangakis, "A Novel Microstrip-Fed Elliptical Slot Array Antenna", International Symposium on Telecommunications (IST 2005), 10-12 September 2005, Shiraz, Iran.
- C34 K. Peppas, F. Lazarakis, A. Alexandridis, K. Dangakis, D. Axiotis "An Interoperability Mechanism for Seamless Interworking between WLAN and UMTS-HSDPA Networks" (GLOBECOM2006)
- C35 T. Zervos, A. Alexandridis, K. Peppas, F. Lazarakis, K. Dangakis, C. Soras, B. Lindmark, "The Influence Of MIMO Terminal User's Hand On Channel Capacity" Proc of European Conference on Antennas and Propagation (EuCAP 2006), Nice, France, November 2006. (EuCAP2006)
- C36 A. Alexandridis, F. Lazarakis, T. Zervos, K. Dangakis, M. Sierra Castaner "Towards A Generalized Methodology for Smart Antenna Measurements" Proc of European Conference on Antennas and Propagation (EuCAP 2006), Nice, France, November 2006. (EuCAP2006)
- C37 K. Peppas, F. Lazarakis, A. Alexiou, A. Alexandridis, K. Dangakis "Reconfigurability to Antenna Correlation: System Level Performance Enhancements in HSDPA" Proc of European Conference on Antennas and Propagation (EuCAP 2006), Nice, France, November 2006. (EuCAP2006)
- C38 G. C. Alexandropoulos, N. C. Sagias, F. I. Lazarakis, A. A. Alexandridis, K. P. Dangakis, K. Berberidis, "Householder-Matrices Based Analysis of SC Receivers over Rayleigh Fading Channels with Arbitrary Correlation", 18th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'07), Sep. 2007, Athens, Greece.
- C39 G. C. Alexandropoulos, N. C. Sagias, F. I. Lazarakis, C. K. Datsikas, A. A. Alexandridis, K. P. Dangakis, K. Berberidis, "On the Sum of Squared Correlated Rayleigh Variates and Applications to Maximal-Ratio Diversity", CAMAD Workshop, 18th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'07), Sep. 2007, Athens, Greece.

- C40 C. K. Datsikas, N. C. Sagias, F. I. Lazarakis, G. C. Alexandropoulos, A. A. Alexandridis, K. P. Dangakis, G. S. Tombras, "Dual-Hop Relaying Networks over Nakagami-m Fading Channels", CAMAD Workshop, 18th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'07), Sep. 2007, Athens, Greece
- C41 A. Michalopoulou, T. Zervos, K. Peppas, A. A. Alexandridis, F. Lazarakis, K. Dangakis, D. I. Kaklamani, "The impact of the position of MIMO terminal user's hand on channel capacity", 18th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'07), July 2007, Athens, Greece
- C42 A. Michalopoulou, T. Zervos, A. A. Alexandridis, K. Peppas, F. Lazarakis, K. Dangakis, D. I. Kaklamani, "The Impact of the User's Body On The Performance Of A MIMO Terminal In Pocket Position", 2nd European Conference on Antennas and Propagation (EuCAP 2007), Edinburgh, UK, November 2007.
- C43 L Foged, O Breinbjerg, S Pivnenko, C Sabatier, H Ericsson, A Alexandridis, M Sierra Castañer, J Zackrisson, M Boettcher, "Error Calculation Techniques and its Application to the Antenna Measurement Facility Comparison within the European Antenna Centre of Excellence", 2nd European Conference on Antennas and Propagation (EuCAP 2007)/ AMTA Europe 2007, Edinburgh, UK, November 2007
- C44 Peppas, K., Sagias, N.C., Lazarakis, F.I., Alexandridis, A.A., Dangakis, K.P., "Error performance of triple-branch generalized selection diversity over Nakagami fading channels", 3rd International Symposium on Wireless Pervasive Computing, ISWPC 2008, Proceedings, art. no. 4556304, pp. 722-726, Greece.
- C45 T. Zervos, D. Stamopoulos, F. Lazarakis, A.A. Alexandridis, M. Pissas, T. Giannakopoulou, K. Dangakis, "Use of Multiferroic Materials in Patch Antenna Design", Proceedings of 3rd European Conference on Antennas and Propagation (EuCAP 2009), Berlin, Germany, March 2009.
- C46 T. Zervos, F. Lazarakis, A.A. Alexandridis, K. Dangakis, D. Stamopoulos, M. Pissas, "Novel Metamaterials for Patch Antennas Applications", First International ICST Conference, MOBILIGHT 2009, Athens, Greece, May 18-20, 2009.
- C47 T. Zervos, A.A. Alexandridis, F. Lazarakis, K. Dangakis, "Patch Antenna with Polarization Agility using Ferrimagnetic Materials", Loughborough Antennas & Propagation Conference 2009 (LAPC 2009), Loughborough, UK, Nov. 2009.
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