



## 1. Personal details

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Kostas Voudouris, born in Athens - Greece in 1960.  
He has a family of three: his wife Georgia Tsiakli and their 17y old son, Nikos.  
They all live at Maroussi, a suburban of Athens.

## 2. Education:

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- University of Bradford – U.K., 1993, Ph.D. in Electronics and Telecommunications Engineering, (SERC studentship).
- University of Patras, 1986, Diploma (Dipl. Ing.) in Electrical Engineering (1<sup>st</sup> class)

## 3. High Level Missions:

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- Member of the Management Board of the European Network and Information Security Agency (ENISA), from March 2004 to Sept. 2006.
- President of the Council's Working Party on Telecommunications and Information Society during Greek Presidency, 1<sup>st</sup> semester 2003
- Counselor of Telecommunications and Information Society (Attaché) within the Permanent Representation of Greece to the European Union. (from 1-10-2001 to 31-08-2004)
- Accredited National Representative in the General Assembly of the International Satellite Organization INTELSAT
- Head of the Greek delegation in the Electromagnetic Compatibility and Radiospectrum Matters (ERM) Committee of the European Telecommunications Specifications Institute (**ETSI**).
- Adjunct Representative of the OTE delegation, in the Plenipotentiary Conference of the **ITU** 1998, Minneapolis of USA.
- Evaluator and reviewer – for several scientific bodies, such as IEEE conf., ICT Mobile, the General Secretariat of Research and Technology.
- Member of the Telecommunications Committee of the Ministry of Foreign Affairs (2003).

## 4. Distinctions:

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- Satisfaction award during the Greek Presidency of the European Union, first semester of 2003.
- Prize award for the project “ Research of Electromagnetic Radiation of Antennas of Greek Organization of Telecoms (OTE)”, during professional career to Greek Organization of Telecoms.
- Studentship award from Science & Engineering Research Council (SERC) of Gr. Britain during my PhD studies.

## 5. Professional Career (in full time appointment)

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- Nov.2013 – Today: Professor, Dept. of Electronics Engineering, TEI of Athens
- Jun.2009 – Nov.2013: Associate Professor, Dept. of Electronics Engineering, Technological Educational Institute (TEI) of Athens
- Sep.2004 – Jun 2009: Assistant Professor, Dept. of Electronics, Technological Educational Institute (TEI) of Athens.
- Oct.2001 – Sep.2004: Permanent Representation of Greece to the European Union, Brussels.
  - Embassy Counsellor for Communications (Telecoms Attaché).
  - President of Council Working Party on Telecoms & Information Society Services during the Greek Presidency (1<sup>st</sup> semester of 2003)
- Feb. 2001 – Sep. 2001: Ministry of Transport and Communications.
  - Adviser to the Minister of Transport and Communications.
- Mar. 2000-Feb.2001 National Commission on Posts & Telecommunications (EETT).
  - Expert on Satellite Radiocommunications
- Dec.96 – Mar. 00 Hellenic Organisation of Telecommunications (O.T.E.).
  - Expert on Wireless Networks Digital Technology and Satellites Systems.
- Sep. 95 – Dec. 96, Research Institute of Telecommunications and Computer Systems of the University (National Technical University of Athens)
  - Research Fellow (part time)
- Sep.95 – Joul.97, Technological Educational Institute (TEI) of Athens, Electronics Department
  - Fellow Assistant Professor in Radiocommunications

- Oct.93 – Joul.94, Frederic University CY
  - Lecturer of Telecommunications
- Oct.90 – Sep.93 University of Kent, U.K, Electronics Laboratories, Antennas group.
  - Postdoctoral Research Fellow.

## 6. Wireless and eApplications research (WiCEAR) Group foundation

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Dr. Voudouris is the founder of the Wireless Telecommunication and eApplications Research Group – WiCeAR since 2007 (<http://users.teiath.gr/kvoud>).

WiCEAR group has coordinated the FP7 ICT REWIND project and been member of the NextGenMiliwave consortium. Both projects were budgeted 1Mil€.

WiCEAR group is member of the **WiMAX forum**, the Radio Access and Spectrum (**RAS**) cluster, and the Hellenic Semiconductor Industry Association (**HSIA – cluster** of microelectronics). Furthermore, **Dr. Voudouris** is closely working with the Research Laboratories of the Hellenic Telecommunications Organisation (**OTE**) and the Wireless Telecoms Lab. Of the **U. of Patras** in Greece, the Microwaves Lab of the **NTUA** in Greece, the Mobile and Satellite Communication Research Centre (MSCRC) of Department of Engineering Design and Technology, **University of Bradford** (UK) and the Dept. of Electronics of **Brunel University** (UK)

Within the context of the FP7 ICT REWIND Program, two doctoral theses were completed successfully:

### **PhD theses completed:**

[1] "Advanced load balancing routing algorithms for the next generation wireless networks", by P. Tsiakas, Degree awarded July 2010, in collaboration with Brunel University, West London, UK (supervisors: Dr. M. Chadzinicolaou<sup>†</sup> and Dr. K. Voudouris)

[2] "Development of an antenna system, for a Relay-Based wireless network". By I. Petropoulos, Degree awarded July 2013, in collaboration with the University of Bradford, UK, (supervisors: Prof. R.A.Abd Alhameed, Dr. S. Jones and Dr. K. Voudouris)

### **On going doctoral work:**

At this point of time, Mr. Georgas a PhD candidate works in the area of the development of algorithms to maximize the performance of WiMAX Multi-Hop Relay Base Stations (MRBS), registered at the university of Bradford as full time extra mural student.

(supervisors: Prof. R.A.Abd Alhameed, Dr. J.M. Noras and Dr. K. Voudouris)

A short presentation of the group may be found at <http://users.teiath.gr/kvoud/profile.html>

A large number of MSc dissertations as well as final year projects have been completed using the facilities of his research lab. WiCEAR group has published more than 45 papers in scientific journals and conferences.

## 7. Ongoing Projects

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### a. Next Generation Millimeter Wave Backhaul Radio (NexGen-MiliWave)

- Total Budget: 4.000.000 Euros
- Budget for WiCEAR group at TEI: **185.000** Euros
- Duration: from 1/6/09 to today
- Partners: Analogies (GR), Fasmetrics Ltd, Prisma Ltd, Sciensis Ltd, THETA Microelectronics, National Technical University of Athens, University of Patras, University of Athens, TEI of Athens (WiCeAR-Group), OTE S.A.
- Coordinator: Theta Microelectronics
- Project Leader TEI of Athens - WiCeAR : **Dr. K.N. Voudouris**, Asc. Prof. of Telecommunications

- Description: NexGenMiliWave is a research project in the framework of Corallia. Its main objective is to develop and demonstrate the operation of an experimental radio modem based on microwave nanoelectronic structures in millimeter-wave frequencies at 60 GHz, which are used in highly secure communications and satellite communications. The millimeter-wave frequency band has not been widely exploited yet for commercial applications. Nevertheless, this status begins changing as this band is capable of offering high data rates for full duplex wireless communications which can be compared to those of fiber optics. In addition, radio propagation in millimeter-wave frequencies has several advantages such as interference rejection, high level security and frequency reuse.
- WiCeAR Group role: WiCeAR-Group role in the framework of NexGen-MiliWave is focused on the design and measurements of the microwave structures and the antenna as well as on the field measurements contribution. In addition WiCeAR-Group is involved on the communication standard to be used selection and on channel characterization.
- <http://www.nexgenmiliwave.eu/>

## 8. Completed Projects

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- RElay based Wireless Network and standard (REWIND)**
  - FP7 ICT project no: 216751
  - Budget: Total cost is 5.652.564 euros (4.000.902 euros EC contribution).
  - WiCEAR's (TEI) Budget is **880.000** euros and acts as coordinator.
  - Duration: 01/01/2008-31/01/2011
  - Partners: TEI of Athens (WiCeAR-Group), Ubiqam Ltd, OTE S.A., AT4 wireless, CODIUM, DesignArt Networks
  - Coordinator: **Dr. K.N. Voudouris**, Asc. Prof. of Telecommunications
  - Description: REWIND focuses on one of the most important concepts in wireless network infrastructure that will revolutionize the level of wireless broadband services in terms of network capacity and coverage while reducing operational expenditures. In this concept, the Relay based Wireless Network, will create through proliferation of low-cost, easy to install Relay Stations providing the necessary capacity and coverage to support new wireless applications with similar QoS currently available only through wired broadband service (e.g. DSL). At the same time the Relay Station receiving its capacity from its own access network through an efficient backhauling mechanism will maximize utilization of the infrastructure capacity and spectrum reuse, without the need for additional CAPEX or OPEX associated with dedicated backhaul. As REWIND is looking to develop state-of-the-art technology, products and network that will have effect on the network of the future in the coming years, it will be based on WiMAX, the most advanced, yet available and standardized broadband wireless technology.
  - <http://users.teiath.gr/kvoud/rewind-project/>
- Methodology integration of EO techniques as operative tool for land degradation management and planning in Mediterranean areas**  
INTERREG III B ARCHIMED programme  
Duration: 24 months  
Responsibilities: Member of TEI's research group  
Project Manager: Prof. Triantis, TEI of Athens
- Near Field calculations and measurements of the Hellenic Telecoms Organisation (OTE) antenna installations.**  
National Research funded programme  
Duration: 24 months  
Project Manager: Dr. Voudouris, OTE
- Radio coverage modeling and measurements, and new software tool development**  
Greek – British cooperation research programme  
Duration: 24 months  
Project Manager: Dr. Voudouris, OTE
- Microstrip Patch Antennas for Mobile Satellite Systems**  
Science and Engineering Research Council, (SERC), U.K.

Contract R22 049 0677.

Duration: 36 months(1/10/90 - 30/9/93)

Position in project: Postdoc. Research Fellow

Project Manager: Dr. Langley U. of Kent at Canterbury

**f. Direct Conversion Receiver for Personal Communication Systems**

Science and Engineering Research Council, (SERC), U.K.

Contract Nu. SERC – 89805875.

Duration: 24 months (1/10/88 - 30/9/90)

Position in project: PhD Researcher

Project Manager: Prof. Gardiner, U. of Bradford

**g. Wireless Transceiver Design using BiCMOS technology**

Contracted to National Technical University (NTUA) of Athens by AMTEL, (San Jose, California, USA)

Duration: 16 months (1/9/95 - 31/12/96)

Position in project: PostDoc Researcher

Project Manager: Prof. Uzounoglou, NTUA

**h. Electromagnetic radiation limits definition study for Hellenic Telecoms**

**Organisation (OTE) antenna installation sites**

Contract 5090/20-5-97 between OTE and the University of Athens

Duration: 4 months

Project Manager: Dr. Voudouris

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**9. Duties and Responsibilities of the TEI–A (non teaching/research tasks)**

- Institutional Academic coordinator of the Career Office. (from April 2008 to today)
- Institutional Academic Coordinator of ECTS and Diploma Supplement (DS) (from April 2008 to today).
- Institutional coordinator for the procurement of 3,3M€ scientific laboratory equipment for the whole of TEI of Athens
- Faculty and Departmental Academic Coordinator for LLP ERASMUS programme (from April 2008 to today).
- Departmental Academic Coordinator for the Internship programme (from March 2006 to today).
- Head of the Telecommunications sector of the Dept. of Electronics (December 2006 - August 2007).
- Member of the ad-hoc committee to reform the curriculum of the Department of Electronics.

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**10. Technical Programme Committees, reviews, chairmanships, memberships**

TPC member:

- Future Network & Mobile Summit 2010 Conference, Florence-Italy, 16-18 June 2010
- ICT Mobile Summit, Santander, Spain 10 - 12 June, 2009
- ICT Mobile Summit, Stockholm, 10 -12 Jun. 2008
- IEEE Wireless Communications and Networking Conference 2007, Hong Kong, March 2007
- WSEAS International conf on Engineering Education , Athens, 2005

Chairmanships:

- International Conference on Electromagnetics in Advanced Applications (ICEAA), September 12 – 17, 2011, Torino, Italy
- IEEE Antennas and Propagation in Wireless Communications Conference, 2011. Torino, Italy, 201
- Future Network & Mobile Summit 2010 Conference, Florence-Italy, 16-18 June 2010
- Telecommunications Committee of the European Council, 1 Jan 2003 to 30 Jun 2003. Brussels

#### Invited Talks:

- Between the 21st and 25th of January 2013, I delivered a talk on the design of millimetric waves communication front-end components at the Engineering Design and Technology at the University of Bradford United Kingdom.
- Between the 25th and 29th of Jun 2012, I gave invited lectures to the Université de Limoges research centre (XLIM) and the 'Ecole Nationale Supérieure d'Ingénieurs de Limoges (ENSIL) France. My talk was about the results of the European research programme entitled "RElay Based Wireless Networks and StandarD" (REWIND) which I was coordinating.
- Invited Speech as the Speaker on advanced materials in the field of Slot array antennas; Stacked antennas for the Focus 222: Tunable, Metamaterial Antennas and FSS based Metamaterials at the upcoming 3rd Annual World Congress of Advance Materials-2014 (WCAM-2014), with the theme "*Dream of Ubiquitous Smartness*", which will be held during June 6-9, 2014, Chongqing, China.

#### Reviews:

Dr. Voudouris has reviewed a number of scientific manuscripts for publications in IEEE Journals and conferences, along with other international conferences such as ICT Mobile summit etc. Furthermore he has evaluated research proposals in national level. In 1992 he has reviewed John Wiley & Sons Ltd book entitled "Spectral efficiency Cellular Land Mobile and Radio Systems".

#### Active Memberships:

- Associate Member in COST IC0902 "Cognitive Radio and Networking for Cooperative Coexistence of Heterogeneous Wireless Networks"
- Associate Member of the Hellenic Semiconductors Industry (HSIA)
- Member of the Technical Chamber of Greece

#### Former Memberships:

- Member of WiMAX forum (during REWIND project)
- Member of the Radio Access Spectrum (RAS) Cluster (during REWIND project)
- ETSI TC-ERM committee (during my work at OTE)
- ITU-R (during my work at the Ministry of Communications)
- ENISA, board member (during my work at the Greek Perm. Rep. to the EU)
- EU Council's Telecoms Group (during my work at the Greek Perm. Rep. to the EU)
- IEEE Member of <Antennas and Propagation> and <Communications> Societies (during my work at the Universities of Bradford (UK), Kent (UK) and Frederick (CY)

## 11. Teaching Experience:

Period	Subject	Year of studies,	Position held	Institution – Place
Oct. 1986 - Jun. 1988	Antennas Laboratory	4th undergrads	Demonstrator and tutorials	Wireless Telecommunications Laboratory -University of Patras - <b>GR</b>
Oct. 1988 - Jun 1990	Electronics	2nd undergrads	Demonstrator	U. of Bradford - <b>UK</b>
Oct. 1990 - Jun 1993	Transmission lines and Electromagnetics	1 <sup>st</sup> undergrads	Tutorials Supervisor	University of Kent - <b>UK</b>
Oct 1993 - Jun 1994	Electronics	1st and 2nd year undergrads	Lecturer	Frederick University – <b>CY</b> , *accredited course by the University of Wales - <b>UK</b> .”
Oct. 1995 - Jun 1997	Electronics	1st and 2nd year undergrads	Lecturer	British-Hellenic College - <b>GR</b> , *accredited course by the University of Wales- <b>UK</b> ”
Oct. 1996 - Dec. 1996	Radiocommunications	4th year undergrads	Lecturer	Air Force School of Aviation (Telecoms Dept.)- <b>GR</b>
Oct. 1995 - Jun 1997	Radiocommunications, Satellite coms, Microwaves and EMC	3 <sup>rd</sup> undergrads	Lecturer	TEI of Athens <b>GR</b>
Jan 1997 - Jun 1997 and Jan. 2005-11	Radiocommunications Laboratory	MSc in Data Communications	Associate Professor	TEI of Athens <b>GR</b> and University of Brunel- <b>UK</b>
Oct. 2004 - today	Radiocommunications, Microwaves, Electromagnetic Compatibility	3 <sup>rd</sup> , 4 <sup>th</sup> year undergrads	Associate Professor	TEI of Athens - <b>GR</b>
Oct. 2006 - 2008	Antennae Theory	2 <sup>nd</sup> year undergrads	Assistant Professor	TEI of Athens - <b>GR</b>
May -13	High Frequency Electronics	1 <sup>st</sup> y postgrads (MSc in Advanced Electronics)	Associate Professor	TEI of Athens - <b>GR</b>
Jan - 14	Next Gen Telecoms Networks (planning)	2 <sup>nd</sup> y postgrads (MSc in Advanced Electronics)	Professor	TEI of Athens - <b>GR</b>

Furthermore, Dr. Voudouris has supervised more than 60 final year projects, 30 MSc dissertations and 3 PhDs.

## 12. Participation in high level meetings

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- ♦ eSecurity in Europe: Today's status and the Next Step, 27 and 28 Oct. 2004, Amsterdam, the Netherlands.
- ♦ ICT Ministerial Conference, Budapest 24 February 2004, National Representative
- ♦ Telecommunications Council, Brussels, 20 Nov. 2003, 8 Mar.2004 and 10 Jun.2004, National Representative
- ♦ Telecommunications Council, Brussels, 27 Mar. and Luxemburg, 5 Jun. 2003, President of the Council Working Party
- ♦ Greek – Italian coordination meeting at Ministers level, Rome, 10 Dec. 2002. Delegate Telecommunications Council, Brussels, 5 Dec. 2002 National Representative Telecommunications Council, Luxemburg 18, June 2002 National Representative Ministerial Conference, Seville, 26, 27 Apr. 2002 Delegate
- ♦ High Level NARA meeting Madrid, 25 Apr. 2002, Delegate
- ♦ Telecommunications Council, Brussels, 25 Mar. 2002 National Representative
- ♦ Telecommunications Council, Vitoria, 22 Feb. 2002, National Representative
- ♦ Telecommunications Council, Brussels,, 6 Dec. 2001, National Representative
- ♦ High Level NARA meeting Brussels, 11 Nov. 2001, National Representative
- ♦ Telecommunications Council, Luxemburg,, 15 Oct. 2001, National Representative
- ♦ Telecommunications agreement between Greece – Cyprus – Bulgaria and Vatican City, (Satellite System – 1.2°), Nicosia, Sep. 2001. Delegate
- ♦ International Telecommunications Union (ITU), Geneva, Satellite Communications Seminar, 17-23 June 2001. (Ministry's representative)
- ♦ International Satellite Organization INTELSAT General Assembly, Washington 26-27 Apr. 2001, Accredited National Representative.
- ♦ Colloquium on "Non- Ionized radiations and possible hazards to health and environment", Greek Physicists Union, Athens, 6 Apr. 2001 (Speaker –Deputy Minister's representative)
- ♦ Colloquium on "Protection measures of the public from the operation of mobile telephony antennas", Ministry of Transport & Communications, Athens, 2 Apr. 2001, (coordinator – Ministry representative and Member of the organizing Committee).
- ♦ Formal visit to Canada of the Deputy Minister of Transport & Communications., 5-9 Mar. 2001. (Delegate).
- ♦ ITU Radiocommunications séminal, Genève, 6-11 November 2000 (EETT representative)
- ♦ Official meeting at the Federal Communication Commission (FCC), 9-14 Oct. 2000, Washington, USA (EETT representative)
- ♦ World Telecoms Standardization Assembly (WTSA – 2000) of the ITU, 27 Sep. – 6 Oct. 2000, Montreal, Canada, (EETT representative).
- ♦ Workshop on Telemedicine applications based on satellite and terrestrial high speed networks: the Greek experience, Athens, 29 Sep. 2000, (EETT representative).
- ♦ Official meeting of the Secretariat General for Research with the European Space Agency (ESA), Athens, 27 Sep. 2000, (EETT representative).

- ◆ Sixth Report of the European Commission. 19 Sep. 2000, Brussels. (EETT representative).
- ◆ Tenth Meeting of the Technical Committee for Electromagnetic Compatibility and Radio Spectrum Matters, of ETSI, (TC-EMR), Madrid, 7-11 Feb.2000, (OTE representative).
- ◆ 8th Conference of CEPT, Venice, 23-27 Apr. 1999 (OTE representative).
- ◆ Seminar on Digital Access Wireless Communication Systems (DECT), SIEMENS AG, Munich, 26 Nov.-16 Dec. 1998 (OTE representative).
- ◆ 6th Meeting of the Technical Committee for Electromagnetic Compatibility and Radio Spectrum Matters, of ETSI, (TC-EMR), Herissonissos Crete, 26 - 30 Oct. 1998, (OTE representative and Member of the organizing Committee).
- ◆ ITU Plenipotentiary Conference, Minneapolis, USA 12/10-6/11/98, (OTE representative).
- ◆ 5th Meeting of the Technical Committee for Electromagnetic Compatibility and Radio Spectrum Matters, of ETSI, (TC-EMR), Villamoura Portugal, 15 - 19 Jun. 1997, (OTE representative).
- ◆ Colloquium on "Mobile Communications", Technical Chamber of Greece, (TEE), 18 Feb. 1998 (Invited Speaker)
- ◆ 3rd Meeting of the Technical Committee for Electromagnetic Compatibility and Radio Spectrum Matters, of ETSI, (TC-EMR), Bern Ελλάδα, 6 - 10 Oct. 1997, (OTE representative).
- ◆ 2nd Meeting of the Technical Committee for Electromagnetic Compatibility and Radio Spectrum Matters, of ETSI, (TC-EMR), Sandefjord Norway, 23 - 27 Jun. 1997, (OTE representative).
- ◆ 1st Meeting of the Technical Committee for Electromagnetic Compatibility and Radio Spectrum Matters, of ETSI, (TC-EMR), Sofia –Antipolis, France, 24, 25 Apr. 1997, (OTE representative).



## 13. Publications

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### A. International Journal papers (with review)

1. K. ANOH, J.M. NORAS, R.A. ABD-ALHAMEED, S.M.R. JONES and K.N. VOUDOURIS, "A new approach for designing orthogonal wavelets for multicarrier applications", AEU - International Journal of Electronics and Communications, Jan. 2014  
<http://dx.doi.org/10.1016/j.aeue.2014.01.009>
2. K. ANOH, R.A. ABD-ALHAMEED, Y. DAMA, S.M.R. JONES and K.N. VOUDOURIS, "An Investigation of PMEPR of WPT-OFDM and OFDM Multicarrier Systems" Journal of Communications and Networking, vol. 3, No. 3. Sept 2013, pp. 45-54. ISSN 2160-4258  
<http://users.teiath.gr/kvoud/papers/IJCN16Oct2013.pdf>
3. K.O.O. ANOH, R. A. ABD-ALHAMEED, Y. A. S. DAMA, S. M. R. JONES, T. S. GHAZAANY, J. RODRIGUES and VOUDOURIS K. N., "Improved QO-STBC OFDM System Using Null Interference Elimination, International Journal of Advanced Computer Science and Applications", Vol. 4, No. 8, 2013, pp. 249-253. U.S ISSN : 2156-5570(Online) U.S ISSN : 2158-107X(Print)  
<http://thesai.org/Publications/ViewIssue?volume=4&issue=8&code=IJACSA>
4. N. ATHANASOPOULOS, D. MAKRIS, and K. VOUDOURIS, "A 60 GHz Planar Diplexer Based on Substrate Integrated Waveguide Technology," Active and Passive Electronic Components, Hindawi, vol. 2013, Article ID 948217, 6 pages, 2013.  
<http://dx.doi.org/10.1155/2013/948217>
5. S. MIKROULIS, I. PETROPOULOS, K. VOUDOURIS, "Efficient smart integrated antennas for applications in indoor 60 GHz wireless over fiber systems", Microelectronic Engineering, Elsevier B.V., April 2013, ISSN 0167-9317, 10.1016/j.mee.2013.03.166.  
<http://dx.doi.org/10.1016/j.mee.2013.03.166>
6. I. PETROPOULOS, N. ATHANASOPOULOS, K. VOUDOURIS, R.A.A. ALHAMEED and S.M R JONES, "Phased Array Antenna Receives 4G Networks", Microwaves and RF, PENTON Publisher, NewYork, issue November 2012.  
<http://mwrf.com/systems/phased-array-antenna-receives-4g-networks>
7. K. VOUDOURIS, N. ATHANASOPOULOS, P TSIKAKAS, I. GEORGAS, G. AGAPIOU, A. RIGAS, D. MANOR, "Performance Verification of a Prototype WiMAX Relay Station", IET Special Issue on Energy Efficient and Reconfigurable Transceivers, Institution of Engineering and Technology (IET), pp 176-180, 2011  
<http://dx.doi.org/10.1049/iet-smt.2011.0101>
8. I. PETROPOULOS, K. VOUDOURIS, R.A. ABD-ALHAMEED, S.M.R. JONES, and N. ATHANASOPOULOS, "A Novel Design of Microstrip Arrays for Relay-Based Wireless Network", International Journal of Antennas and Propagation, Hindawi, Volume 2011 (2011), Article ID 870183, 10 pages,  
<http://dx.doi.org/10.1155/2011/870183>
9. K. VOUDOURIS, N. ATHANASOPOULOS, P. TSIKAKAS, A. MEIR, G. AGAPIOU, "Prototype Relay Station for WiMAX wireless networks", MICROWAVES & RF, Jan.11, PENTON Publisher, NewYork, p.p. 68-75

<http://mwrf.com/systems/relay-extends-wimax-service>

10. K. VOUDOURIS, N. ATHANASOPOULOS, A. MEIR, D. MANOR, P. TSIAKAS, I. GEORGAS, I. PETROPOULOS, and G. AGAPIOU, "2x2 Switch Matrix for WiMAX Relay Station Applications", IEEE Microwave and wireless components letters (MWCL), 2011, p.p. 424 -7  
<http://dx.doi.org/10.1109/APWC.2011.6046746>
11. G. AGAPIOU, K. VOUDOURIS, G. HELIOTIS, I. CHOCHLIOUROS, "Reconfigurable Optical and Wireless Mesh Networks", The Journal of the Telecommunications Professionals, vol.3 part 4, Dec. 2009, p.p. 39 – 42  
[www.fitce.org/congress/2008/paper/32.pdf](http://www.fitce.org/congress/2008/paper/32.pdf)
12. A.S. SPILIOPOULOU, I.P. CHOCHLIOUROS, K.N. VOUDOURIS, G. AGAPIOU AND G. HELIOTIS, "Mobile TV in the European Market Sector: Opportunities and Limitations", The Journal of the Telecommunications Professionals, . vol.3 part 2, Jun. 2009, p.p. 27 – 30  
[www.fitce.org/congress/2008/paper/23.pdf](http://www.fitce.org/congress/2008/paper/23.pdf)
13. P. STATHOPOULOS & K. VOUDOURIS "WiFi radio-propagation measurements and simulation, based on COST 231 one-slope model", WSEAS Transactions on Communications, (2006), Issue 9, Vol.5, pp. 1642-7  
<http://www.scopus.com/record/display.url?eid=2-s2.0-33747049261&origin=resultlist>
14. E. SAPOUNTZIS, J. SAPOUNTZIS and K. VOUDOURIS "WiFi Radio coverage Measurements for eCampus Application Networks", WSEAS Transactions on Information Science and Applications, Issue 4, Vol. 3, Apr. 2006 p. 766 – 70  
<http://www.scopus.com/record/display.url?eid=2-s2.0-33645135604&origin=resultlist>
15. K. VOUDOURIS, 'Re-use of public sector information; a new pan European broadband content market for information society', WSEAS Transactions on Advances in Engineering Education, Issue 1, Vol. 3, Jan. 2006 p. 59 – 62  
<http://users.teiath.gr/kvoud/pubs/130719.zip>
16. K. VOUDOURIS and P. GRAMMATIKAKIS, 'Power Density Measurements on Single Antenna Mast installation Sites', WSEAS Transactions on Communications, Issue 1, Vol. 5, Jan. 2006 p. 123 – 29  
<http://www.scopus.com/record/display.url?eid=2-s2.0-33645132520&origin=resultlist>
17. K. VOUDOURIS. 'Networks and Information Security Policies and Measures in Europe', WSEAS Transactions on Systems, Issue 7, Vol. 4, Jul. 2005, p. 958 – 64  
<http://www.scopus.com/record/display.url?eid=2-s2.0-22944487644&origin=resultlist>
18. K. VOUDOURIS and J.M.NORAS, 'Effects of Amplitude, Phase and Frequency Imperfections on the Performance of a Direct Conversion Receiver (DCR) for Personal Communication Systems', IEEE, Microwave and Guided Wave Letters, vol. 3, no. 9, Sep. 1993, p. 313-15  
<http://dx.doi.org/10.1109/75.244863>
19. C. BACHELOR, K. VOUDOURIS and R.J. LANGLEY, 'Dual mode and stacked concentric ring patch antenna arrays', Electronics Letters, 22nd July 1993, vol.29, no.15, p.1319-20  
<http://dx.doi.org/10.1049/el:19930884>

## B. Book Chapters (with review)

20. K. VOUDOURIS, P. TSIAKAS, N. ATHANASOPOULOS, I. GEORGAS, N. ZOTOS AND CH. STERGIOPOULOS, (2012). "A WiMAX Network Architecture Based on Multi-Hop Relays", Quality of Service and Resource Allocation in WiMAX, Roberto C. Hincapie and Javier E. Sierra (Ed.), ISBN: 978-953-307-956-1, InTech  
<http://dx.doi.org/10.5772/27930> ("1841 downloads")
21. M. PATINIOTAKIS, ST. PERDIKOURIS, G. AGAPIOU1, K. VOUDOURIS, E. DIMITRIADOU1, I. FREMIS3, A. IOANNOU1, "Mesh Wi-Fi Networks: Architectures and Experimental Results" chapter V in Wireless Technologies for Ambient Living and Health care: Systems and Applications, IGI Global publication, (pp. 73-87). Hershey, 2010  
<http://dx.doi.org/10.4018/978-1-61520-805-0.ch005>
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