

# résumé

**Professor Dr. Konstantinos N. VOUDOURIS**, PhD, Dipl.Ing.

Prof. Dr. Konstantinos N. Voudouris, holds a PhD degree on wireless telecommunication systems, from the University of Bradford, U.K. He is full Professor within the Department of Electrical and Electronic Engineering of the University of West Attica, Athens, Greece. Previously, (2015-18) he served as a full Professor at the Higher Colleges of Technology at Abu Dhabi - UAE and before, since 2004, as a Professor at the Technological Institute of Athens -Greece.

His work experience is extended in the field of telecommunications, initially, as an academic postdoctoral research fellow in the University of Kent at Canterbury, UK (1990-1993), then as a telecoms expert within the incumbent telecom operator in Greece, OTE (1996 - 2000). In 2000 he joined the Greek telecom regulator (EETT) and the next year he was appointed as technical advisor to the Ministry of Transports and Telecommunications. From Oct. 2001 to Sep. 2004 he served as Embassy Counsellor, within the Permanent Representation of Greece to the European Union (EU), responsible (attaché) for Telecommunications and Information Society and chaired the relevant European Council's Working Party, during the Greek Presidency, 1st semester 2003. From March 2004 until Sept. 2006, Dr. Voudouris served as member of the Management Board of the European Network and Information Security Agency (ENISA).

Following successful international research grant bids, he:

- coordinated the **FP7 ICT REWIND** project (call #1) with budget of 5.5M€. REWIND focused on the development of a Relay Station (RS) prototype for IEEE 802.16j WiMAX networks and
- led the WiCEAR group, in NexGen Milliwave project (development of a 60GHz transceiver) within the Greek microelectronics cluster - Corallia.

He serves as a Member of the University of West Attica Quality Assurance Committee. Previously, he chaired the Promotions Committee at the Higher Colleges of Technology - UAE, served as the academic coordinator of the career office and ECTS/DS of the TEI of Athens, headed the LLP ERASMUS programme for the School of Engineering and the Department of Electronic Eng. and he is the academic coordinator of the internship office of the Electronic Eng. Department.

Professor Dr. Voudouris has published over **90** scientific papers in international journals and conferences, with **283** citations.

More info, available at <http://www.eee.uniwa.gr/en/> and <http://users.uniwa.gr/kvoud>



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## **1. Personal details**

Kostas Voudouris, born in Athens - Greece in 1960.

He lives with his family at Maroussi, a suburb of Athens.

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## **2. Education:**

- 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)

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## **3. High Level Missions:**

- Member of the of the University of West Attica Quality Assurance Committee, Nov. 2018
- Chair, Higher Colleges of Technology Faculty Promotion Committee, from Nov. 2017 – Jul.2018.
- 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
- Counsellor 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 Organisation 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 / IET, ICT Mobile conf, the General Secretariat of Research and Technology.
- Member of the Telecommunications Committee of the Ministry of Foreign Affairs (2003).

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## **4. Distinctions:**

- 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 Organisation of Telecoms (OTE)", during professional career to Greek Organisation of Telecoms.
- Studentship award from Science & Engineering Research Council (SERC) of the United Kingdom during PhD studies.

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

- Jul.2018 – today: Professor, Department of Electrical and Electronic Engineering, University of West Attica, Athens, Greece
- Aug. 2015 – Jul 2018: Professor, Dept. of Electrical Engineering, Higher Colleges of Technology (HCT), Abu Dhabi, United Arab Emirates – UAE
- Nov.2013 – Aug.2015: Professor, Dept. of Electronic Engineering, TEI of Athens
- Jun.2009 – Nov.2013: Associate Professor, Dept. of Electronic Engineering, Technological Educational Institute (TEI) of Athens
- Sep.2004 – Jun 2009: Assistant Professor, Dept. of Electronic, 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.
  - Technical Adviser to the Ministry 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
- Oct.93 – Joul.94, Frederic University in Cyprus
  - Lecturer of Telecommunications
- Oct.90 – Sep.93 University of Kent, U.K, Electronics Laboratories, Antennas group.
  - Postdoctoral Research Fellow.
- Oct.88 – Sep.90 University of Bradford, U.K, Electronics Engineering Department.
  - PhD Research (SERC studentship).
- Oct.86 – Sep.88 University of Patras, GR, Wireless Communications Lab..
  - Research Assistant.

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



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), the Dept. of Electronics of **Brunel University** (UK) and the **École Nationale Supérieure d'Ingénieurs de Limoges - ENSIL** (FR)

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)

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. Recently, WiCEAR group has attracted internship ERASMUS students from ENSIL – France. WiCEAR group has published more than 45 papers in scientific journals and conferences.

## 7. Research Projects

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### a. RElay based Wireless Network and standard (REWIND)

- FP7 ICT project no: 216751
- Budget: Total cost was **5.652.564** euros (4.000.902 euros EC contribution).
- WiCEAR's (TEI) Budget was **880.000** euros and acted as coordinator.
- Duration: 01/01/2008–31/01/2011
- Partners: TEI of Athens (WiCEAR–Group), Ubiqam Ltd (IL), OTE S.A.(GR), AT4 wireless (ES), CODIUM (ES), DesignArt Networks (IL)
- Coordinator: **Dr. K.N. Voudouris**, Professor of Telecommunications
- Description: REWIND focuses on one of the most important concepts in wireless network infrastructure that will revolutionise 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 maximise utilisation 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 standardised broadband wireless technology.
- <http://users.teiath.gr/kvoud/rewind-project/>

### b. Next Generation Millimeter Wave Backhaul Radio (NexGen–MiliWave)

- EU Fund for Regions (contract MICRO2–53)
- Total Budget: **4.000.000** Euros
- Budget for WiCEAR group at TEI: **185.000** Euros
- Duration: from 1/6/09 to 1/10/2013
- Partners (GR): Analogies Ltd, Fasmetrics Ltd, Prisma Ltd, Sciensis Ltd, THETA Microelectronics S.A., 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**, Professor 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 millimetre-wave frequencies at 60 GHz, which are used in highly secure communications and satellite communications. The millimetre-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 fibre optics. In addition, radio propagation in millimetre-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 characterisation.

• <http://www.nexgenmiliwave.eu/>

- c. **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
- d. **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
- e. **Radio coverage modeling and measurements, and new software tool development**  
Greek – British cooperation research programme  
Duration: 24 months  
Project Manager: Dr. Voudouris, OTE
- f. **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
- g. **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
- h. **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
- i. **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

## 8. Duties and Responsibilities at:

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### • University of West Attica

Professor of wireless communication systems. Deputy Director of the MSc course “Communications and Data Networks”. Member of the University Quality Assurance Committee.

### • Higher Colleges of Technology

Professor, Chair, Faculty Promotion Committee,

Member of new Faculty hires Interviewing Committee,

Faculty Role: Using a practical, applied approach, teach courses that are in line with course and program goals to meet the needs and aspirations of the students and the community - Develop and utilize various educational technology resources to ensure that effective and innovative instruction methodologies are employed - Apply strategies to ensure that effective student learning is achieved within a second-language environment (English), providing continuous feedback on student progress through a variety of assessment tools, including tests, projects, assignments and other evaluation instruments - Take a student-centered approach, providing students with individual assistance, and dealing promptly

with student issues by liaising directly with the student, program supervisor and other College personnel as required - Support and mentor students during internships and work placements - Monitor student progress and take action to support student success

**Administrative Role:** Ensure that teaching assignments are prepared in advance and that the material is presented in an appropriate manner to support student success and Learning by Doing concept. - Develop course curriculum under the guidance of the line management as per accreditation and international standards and maintain the relevance of the materials - Provide input to program and course reviews and make recommendations based on consultations with students, colleagues and external agencies - Contribute to the development of the HCT by monitoring programs and identifying areas for improvement; by observing and implementing College and system-wide policies and procedures; and by participating in extra-curricular activities and community events - Ensure curriculum is revised as appropriate from Faculty-wide assessment information or with industry advice - Develop an awareness of and respect for the customs and cultures of HCT students and employees.

- **Technological Educational Institute (TEI) of Athens**

Professor of Telecommunications. Coordinator and Scientific Leader of two European projects FP7 and Corallia, related to the design and development of 4G telecom Networks, budgeted at five and four million euros respectively.

Teaching to the under and post graduate programmes of the Electronic Engineering Department. Academic coordinator of the LLP-ERASMUS and Internship programmes. Head of the WiCEAR Group. Academic coordinator of the TEI of Athens career office, ECTS-DS application and the procurement of 3,3 million euros of scientific equipment, through European funds.

- **Permanent Representation of Greece to the European Union, Brussels.**

Embassy Counsellor for Communications (Telecoms Attaché), representing on the European Union Institutions the Ministry of Transports and Communications for Telecommunications and Information Society matters. President of Council Working Party on Telecoms & Information Society Services during the Greek Presidency (1<sup>st</sup> semester of 2003). Preparation and participation of the Telecoms & InfoSoc Ministers' Council. Negotiations, and formation of position papers.

- **Ministry of Transport and Communications**

Adviser to the Ministry of Transports and Communications, 23 on Telecommunications and Information Society matters. Accredited National Representative to INTELSAT, ITU, HellaSat; Regulatory and technical issues such as: antenna parks, protection of the general public from EM fields radiation.

- **National Commission on Posts & Telecommunications (EETT)**

Telecommunications expert engineer responsible for licensing of wireless and satellite telecom operators. Frequency management and spectrum monitoring. National representative at the European Commission and ITU. Test on the quality of the mobile telecom operator in Greece. Study on the radiospectrum pricing and rights of way. Responses to MP questions.

- **Hellenic Organisation of Telecommunications (O.T.E.)**

Telecommunications expert engineer responsible for the design and acceptance of the wireless networks both core and access (mini links/SDH/PDH and DECT) with a total investment of 20 billion drachmas. Representative of OTE at ITU, ETSI TC-ERM (Electromagnetic compatibility and Radio spectrum Matters).

- **National Technical University of Athens**

Redesign of a digital transmitter / receiver system using BiCMOS integrated circuits technology for personal communications applications.

- **University of Kent, U.K**

Design manufacture and test of ring patch antennas suitable for mobile satellite communications.

PhD students co-supervision and undergraduate students tutor.

- **University of Bradford, U.K**

Design manufacture and test of a direct conversion receiver (zero IF) suitable for personal communication systems. Undergraduate and Postgraduate Laboratory instructor.

- **University of Patras, GR**



## **9. Technical Programme Committees, reviews, chairmanships, memberships**

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### 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 millimetre 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 / IET 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))

## **10. 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 organising 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).<sup>23</sup>
- 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), Heraklion 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 Ελβετίας, 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).

## 11. Personal Skills

Mother tongue(s) Greek

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference for Languages

## 12. 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 – 2011	Radiocommunications Laboratory	<b>MSc</b> in Data Communications	Lecturer / Assistant Professor	TEI of Athens <b>GR</b> and University of Brunel– <b>UK</b>
Oct. 2004 – 2015	Radiocommunications, Microwaves, Electromagnetic Compatibility	3 <sup>rd</sup> , 4 <sup>th</sup> year undergrads	Assistant / Associate / Professor	TEI of Athens – <b>GR</b>

Oct. 2006 – 2015	Antennae Theory	3 <sup>rd</sup> year undergrads	Assistant / Associate / Professor	TEI of Athens – <b>GR</b>
May 2012 – 2015	High Frequency Electronics	1 <sup>st</sup> y postgrads (MSc in Advanced Electronics)	Professor	TEI of Athens – <b>GR</b>
Jan 2012 – 2015	Next Gen Telecom Networks (planning)	2 <sup>nd</sup> y postgrads (MSc in Advanced Electronics)	Professor	TEI of Athens – <b>GR</b>
Aug 2015 - Jul 2018	Digital Communication	3 <sup>rd</sup> y undergraduates	Professor	HCT, AbuDhabi - <b>UAE</b>
Aug 2015 - Jul 2018	Digital Circuits	2 <sup>nd</sup> y undergraduates	Professor	HCT, AbuDhabi - <b>UAE</b>
Aug 2015 - Jul 2018	Electrical Circuits	1 <sup>st</sup> y undergraduates	Professor	HCT, AbuDhabi - <b>UAE</b>
Aug 2015 - Jul 2018	Mobile Communications	4 <sup>th</sup> y undergraduates	Professor	HCT, AbuDhabi - <b>UAE</b>
Aug 2015 - Jul 2018	Communication Systems	3 <sup>rd</sup> y undergraduates	Professor	HCT, AbuDhabi - <b>UAE</b>
Oct 2018 - today	Antennas	4 <sup>th</sup> y undergraduates	Professor	University of West Attica, Athens - <b>GR</b>
Oct 2018 - today	Wireless Propagation and Radiocommunications	5 <sup>th</sup> y Integrated Master	Professor	University of West Attica, Athens - <b>GR</b>
Oct 2019 - today	Satellite Communications	5 <sup>th</sup> y Integrated Master	Professor	University of West Attica, Athens - <b>GR</b>
Oct 2018 - today	RF Design	4 <sup>th</sup> y Integrated Master	Professor	University of West Attica, Athens - <b>GR</b>

Furthermore, Dr. Voudouris has supervised more than 60 final year projects, 30 MSc dissertations and 2 PhDs.

## A. International Journal papers (with review)

Scopus Listed

1. Maria Douka and **Konstantinos N. Voudouris**, “On Reduction of Mutual Coupling Effect, for Square Loop Antenna Arrays”, Grenze International Journal of Engineering and Technology, Jan Issue, Grenze ID: 01.GIJET.7.1.514, p.p. 225-8, 2021, <https://thegrenze.com/index.php?display=page&view=journaldetails&id=8> ✓
2. Efstratios N. Kontorinakis, and **Konstantinos N. Voudouris**, “Full planar waveguide design with complementary split ring resonator and Substrate Integrated Waveguide technology”, Journal of Engineering Science and Technology Review, (Special Issue - 2019) <http://www.jestr.org/downloads/SpecialIssue2020/fulltext14SE.pdf>
3. Mahesh A. Nair and **Konstantinos N. Voudouris**, “Hybrid Fusion Algorithm to improve the accuracy of Spectrum Occupancy Evaluation and Management”, Journal of Engineering Science and Technology Review, (Special Issue - 2019) <http://www.jestr.org/downloads/SpecialIssue2020/fulltext15SE.pdf>
4. I. PETROPOULOS, **K. N. VOUDOURIS**, R. A. ABD-ALHAMEED, AND S. M. R. JONES, “BEAM-FORMING MODULE FOR BACKHAUL LINK IN A RELAY-AIDED 4G NETWORK”, *AEU - International Journal of Electronics and Communications*, Volume 69, Issue 9, September 2015, Pages 1321–1327 ✓  
<http://dx.doi.org/10.1016/j.aeue.2015.05.018>
5. I. PETROPOULOS, **K. N. VOUDOURIS**, R. A. ABD-ALHAMEED, AND S. M. R. JONES, "Coupling measurements of an antenna system suitable for relay-aided wimax network," Progress In Electromagnetics Research C, Vol. 51, 1-10, 2014. doi:10.2528/PIERC14043005 ✓  
<http://www.jpier.org/pierc/pier.php?paper=14043005>
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### 14. Citations (as at Nov.20)

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