

# Costas Tsioras

## Summary



- Computer Scientist with 19 years of teaching and research experience in higher education (Greece) and 15 years of industry work experience (USA, UK and Spain) in the telecommunications / software development industry.
- While working in the industry, promoted to Consulting Member of Technical Staff (the highest position in the [AT&T Bell Laboratories](#) / [Lucent Technologies](#) (currently [Nokia](#)) technical career plan), having successfully completed various assignments in software development, systems engineering, architecture, testing, product management, marketing and technical sales in the telecommunications area.

## Academic Work Experience

### **Sep 2003 – now (19 years), University of Western Macedonia (former Technological Education Institute), Dept. of Accounting and Finance, Lecturer (tenured academic position)**

- Teaching Computer Science undergraduate credit classes in Management Information Systems, Enterprise Resource Planning systems, computer networks, programming languages (C, C++), web development (Wordpress and Joomla) and operating systems (Unix, Linux).
- Teaching postgraduate credit classes in Management Information Systems.
- Created and supported four undergraduate student laboratories for the Dept of Financial Applications with database server-client architectures: Risk Management Lab, Investment Management System lab, Virtual Stock-Exchange lab, Atlantis ERP (Enterprise Resource Planning) system lab and SPSS (Statistical Package for Social Sciences) lab.

## Industry Work Experience

### **Nov 1988 – Sep 2003 (15 years), AT&T Bell Labs / Lucent Technologies, Software Engineer**

- **Sep 2001 – Sep 2003, Lucent Technologies, Naperville (Chicago), USA**
  - Systems Engineer (2 years)
- **Oct 1998 – Sep 2001, Lucent Technologies, Madrid, Spain (3-year expatriate assignment)**
  - Technical Sales Support Engineer (1 year)
  - Product Marketing Manager (PM&M) (1 year)
  - Market Systems Engineer (1 year)
- **Nov 1990 – May 1998, AT&T Bell Labs / Lucent Technologies Naperville (Chicago), USA**
  - Software Developer (8 years)
- **Nov 1988 – Nov 1990, AT&T Bell Labs, Malmesbury, U.K. and Naperville (Chicago), USA**
  - Customer Technical Support Engineer (2 years)

## Patents

- 2002 – Granted U.S. [patent No. 6381328](#) for the software implementation of the ETSI Intelligent Network Application Part (INAP) Virtual Finite State Machine on the 5ESS (Lucent digital switch) by the [United States Patent and Trademark Office](#).
- 2001 - Granted U.S. [patent No. 6243456](#) for the software implementation of the ETSI Intelligent Network Trigger Detection Point Processing on the 5ESS (5<sup>th</sup> Electronic Switching System).

**Technical Competencies**

- Management Information Systems (MIS), Enterprise Resource Planning Systems (ERPs), Web development, 3G/4G, Next Generation Networks (NGNs), Universal Mobile Telecommunications System (UMTS), IP Multimedia Subsystem (IMS), Circuit to Packet Convergence, Voice over IP (VoIP), Next Generation Multimedia Services, Telephony Call Processing, Finite State Machines, Intelligent Networks, Telephony APIs (JTAPI, JAIN), Signaling Protocols (SIP, Diameter, INAP, MAP, TCAP, SCCP, ISUP, ISDN), Programming Languages (C, C++), Operating Systems (Unix, Linux, Windows).

**Publications**

- Main author of the paper "Continuous Mobile Access to Enterprise Resource Planning Systems", p. 421-424 "Proceedings of the 7th International Conference "Management of Technological Changes", Topic 5: Implementing Technological Changes, presented in Alexandroupolis, Greece, September 2011.
- Co-author of the paper "Programmable Selection of Radio Access Networks Utilizing Application Layer Protocols", Proceedings of the 8<sup>th</sup> International Conference on Intelligence in next generation Networks (ICIN), Session 4A: Intelligence for Broadband Access, presented in Bordeaux, France in April 2003.
- Co-author of the paper "Wireless LAN Roaming as a Component of Global Roaming in 3G", p. 223-320, [Proceedings of the Eurescom Summit 2002](#), Session 5A: Engineering the Wireless Access, presented in Heidelberg, Germany in October 2002.

**Languages**

- Fluent in English and Greek.
- Excellent Spanish.

**Education**

- Bachelor of Science (BSc) in Computer Science, University of Essex, England, 1987.
- Master of Science (MSc) in Computer Science with Applications, Aston University in Birmingham, England, 1988.

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