

## PERSONAL INFORMATION



### Stefan SIMION

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**Date of birth:** June 12, 1967

**Nationality:** Romanian

## WORK EXPERIENCE

- Oct. 2013 – present: **Full. Prof.**, Military Technical Academy (George Cosbuc 39-49, Bucharest, Romania).
- Oct. 2000 – Sept. 2013: **Assoc. Prof.**, Military Technical Academy (George Cosbuc 39-49, Bucharest, Romania).
- Oct. 1997 – Sept. 2000: **Lecturer**, Military Technical Academy (George Cosbuc 39-49, Bucharest, Romania).
- Sept. 1993 – Sept. 1997: **Scientific researcher**, Institute of Microtechnology, Erou Iancu Nicolae 126A, Bucharest, Romania.
- Oct. 1990 – Aug. 1993: **Scientific Eng.**, Institute of Microtechnology, Erou Iancu Nicolae 126A, Bucharest, Romania.
- 2006 – 2010: **Senior researcher** (research activities – part time), Institute of Microtechnology, Erou Iancu Nicolae 126A, Bucharest, Romania.
- Since 2015, **PhD coordinator** in the field of Electronics and Telecommunications Engineering (the **habilitation thesis** has been defended at the University POLITEHNICA of Bucharest; Faculty of Electronics, Telecommunications and Information Technology).

## EDUCATION

- 1994 – 1999: University POLITEHNICA of Bucharest, Faculty of Electronics and Telecommunications, obtaining the **PhD Eng.** degree, in the field of Electronics and Telecommunications Engineering.
- 1985 – 1990: University POLITEHNICA of Bucharest, Faculty of Electronics and Telecommunications, obtaining the **Engineer** degree, in the field of Electronics and Telecommunications Engineering.

## TEACHING ACTIVITY

- Fundamental courses<sup>\*</sup>: Microwave Techniques; Semiconductor Devices and Electronic Circuits; Linear Integrated Circuits (Analysis and Design).
- Advanced (Master) course<sup>\*</sup>: Design of Microwave Circuits.
- 1997–1998 and 2006 – Assoc. prof. at the University POLITEHNICA of Bucharest, Faculty of Electronics, Telecommunications and Information Technology, for seminar and lab. lessons on *Microwave Technique*.

<sup>\*</sup> in Military Technical Academy from Bucharest.

## RESEARCH ACTIVITY

- Coordinator or member in the research team, for more than 15 research project, in the field of: Modelling, design and technology of distributed circuits; Composite Right-/Left- Handed (CRLH) structures and related applications to new configurations of microwave active and passive circuits; Analysis and design of microwave hybrid circuits; Analysis of dielectric resonators and related circuits; Capacitive MEMS modelling and design; MIC and MMIC technologies.
- Participation in international research projects:
  - **Accurate modeling of CRLH (Composite Right / Left Handed) transmission lines and new design methods of related circuits** – project director. Bilateral cooperation (Romania - Italy), between Military Technical Academy and Univ. “Tor Vergata” from Rome (2013 – 2014).
  - **Electromagnetic band gap (EMBG) materials and devices for microwave and millimeter wave applications** – member in the research team from IMT – Bucharest . Bilateral cooperation (Romania – Italy), between National Institute for Research and Development in Microtechnologies (IMT–Bucharest) and Consiglio Nazionale delle Ricerche, Istituto Microelettronica e Microsistemi (2006 – 2008).
  - **Development of materials and devices for nonlinear microwave applications** – member in the research team from IMT–Bucharest. Bilateral cooperation (Romania – Italy), between National Institute for Research and Development in Microtechnologies (IMT–Bucharest) and Consiglio Nazionale delle Ricerche, Istituto Microelettronica e Microsistemi (1996 – 1998).
  - **Inter-Academic cooperation in the field of compound semiconductors**, between National Institute for Research and Development in Microtechnologies (IMT–Bucharest) and the Research Institute for Technical Physics of the Hungarian Academy of Sciences (MTA MFKI) – Budapest, Hungary (1992 – 1996).

## INVITED and VISITING PROFESSOR

- 1999, 2006, 2007, 2009: “Visiting professor” at the University “Tor Vergata” from Rome, Italy. During these short stages (1-2 weeks each) for research activities related to *microwave and millimeter wave non linear circuits* (1999), *metamaterial microwave antennas and couplers* (2006, 2007) and *new linear and non-linear Composite Right/Left-Handed (CRLH) structures, for applications in pass-band filters, frequency doublers and pulse compression* (2009).
- Invited by the University “Tor Vergata” from Rome, Italy, in the frame of ERASMUS SOCRATES program. During this stage, a short talk related to *MEMS switches, phase shifters and tunable filters* has been presented.

## STATISTICS RELATED TO THE PUBLISHED WORKS

(last update: November 2016)

- More than 60 papers in reviews / conference proceedings, indexed in ISI Web of Science (44) or/and IEEE Xplore (for the most of them, main author or single author).
- More than 50 papers published in other reviews and conference proceedings.
- 5 books for students published in Romania (4 of them as single author, on microwave theory and circuits) and 1 chapter in a book published abroad (indexed in international databases).

## REVIEWER FOR JOURNALS AND INTERNATIONAL CONFERENCES

- **Reviewer at international journals:** IEEE Transaction on Microwave Theory and Techniques; IEEE Microwave and Wireless Components Letters; PIER & JEMWA.
- **Reviewer at international conferences:** Asia-Pacific Microwave Conference – APMC 2008; International Semiconductor Conference – CAS 2015, 2016; Communications Conference –

COMM 2008, COMM 2010, COMM 2012, COMM2014; Electronics, Computers and Artificial Intelligence – ECAI 2009, ECAI 2016.

**OTHER INFORMATION**

- Member IEEE – MTT (Microwave Theory and Techniques), since 1996.
- In different time periods: member of department council, faculty council, academic senate, and quality evaluation and assurance commission (all positions in the Military Technical Academy of Bucharest).

**FOREIGN LANGUAGES**      English, French

**Bucharest, November 2016**