

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

- 1995 – 2000: 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^{*}: Microwave Techniques; Semiconductor Devices and Electronic Circuits; Linear Integrated Circuits (Analysis and Design).
- Advanced (Master) course^{*}: 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*.

^{*} 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, including DR oscillators; 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** – contract 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 (employed part-time). 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), 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), have been performed.
- 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

- More than 60 papers in reviews / conference proceedings, indexed in ISI Web of Science (>45) 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.

OTHER INFORMATION

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

FOREIGN LANGUAGES English, French

Bucharest, January 2017