



PERSONAL INFORMATION



Teodor PETRIȚA

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m

Sex M | Date of birth 03/09/ | Nationality Romanian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Lecturer

WORK EXPERIENCE

2012- present

Teaching assistant

„Politehnica” University of **Timișoara**, Electronics and Telecommunications Faculty

- Sustaining seminars and laboratories classes for „Electromagnetic Compatibility” discipline

Business or sector academic

2008 - present

Radio spectrum monitoring expert

ANCOM (National Authority for Management and Regulation in Communications of Romania), **Timiș** Regional Direction

- Interference assessment, internal training, internal procedures writing, radio coverage measurements, unauthorised spectrum use detection, localisation and law enforcement

Business or sector Telecom NRA, public sector

2006 - 2008

Director, Spectrum Monitoring and Technical Support Direction (ANRCTI, jun 2007 – nov 2008)**Director, Spectrum Planning Direction (IGCTI, jan 2006 – jun 2007)**

ANRCTI (National Authority for Regulation in Communications and Information Technology) – now abolished, **Bucharest** Headquarters

IGCTI (General Inspectorate for Communications and Information Technology) – now abolished, **Bucharest** Headquarters

- Coordination of civilian national radio monitoring
- Coordination of national measurement campaigns for measuring mobile networks coverage (first national mobile coverage measurement, including procedure writing).
- Drafts, counselling and evaluation for spectrum bids for mobile telephony radio license
- ANCOM / IGCTI representation in ITU and CEPT working groups
- Direct contract negotiations, as leader of negotiating team
- Coordination of implementation of EMC and R&TTE directives
- Media appearance
- Management tasks (budget, tasks, personnel, etc.)

Business or sector Telecom NRA, public sector

2002 - 2004

Teaching assistant

„Politehnica” University of **Timișoara**, Electronics and Telecommunications Faculty

- Sustaining seminars and laboratories classes for „Electric and electronic measurements” discipline

Business or sector academic

- 1998 - 2006 **Chief of regional Spectrum Monitoring Service (oct 2003 – jan 2006)**
Chief of Mobile Monitoring Team (Oct 2000 – Oct 2003)
Engineer (Feb 1998 – Oct 2003)
 ICGTI (General Inspectorate for Communications and Information Technology) – now abolished,
 Regional Direction of **Timișoara**
- Coordination of regional spectrum monitoring activity
 - Regional technical manager for NSMS (National Spectrum Monitoring System) project
 - Interference assessment, unauthorised spectrum use detection, localisation and law enforcement
 - EMC measurements
 - Spectrum analysers and antenna calibration measurements and tracing

Business or sector Telecom NRA, public sector

- 1996 - 1998 **Engineer (software developer)**
 Timteh **Timișoara**
- Development of test software for avionic units

Business or sector avionics

EDUCATION AND TRAINING

- 2002 - 2012 **Ph.D. in Electronic Engineering** ISCED 6
 „Politehnica” University of **Timișoara**, Electronics and Telecommunications Faculty
- Thesis „Contributions to modelling of some of antenna characteristics”
- 2010 **Professional Certificate in Management**
 CODECS
- Performance Management/ Finance Management/ Clients Management/ HR Management
- 2007 **Professional Certificate in Project Management**
 CODECS
- 1997 - 1998 **Pg.Dip in Electronic Instrumentation** ISCED 6
 „Politehnica” University of **Timișoara**, Electronics and Telecommunications Faculty
- Dissertation on „Speaker Recognition”
- 1992 - 1997 **Engineer Diploma in Applied Electronics** ISCED 5
 „Politehnica” University of **Timișoara**, Electronics and Telecommunications Faculty
- Diploma thesis „Impedance Measurement System for Electro-acupuncture”
- 1998 - 1992 **Baccalaureate** ISCED 3
 „Grigore Moisil” High School, **Timișoara**
- Assistant programmer diploma

PERSONAL SKILLS

- Mother tongue(s) Romanian

| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
|-------------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C1 | C1 | C1 | C1 | C1 |

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Public speaking due my experience in providing trainings, media appearances, conferences
Writing skills, due to conception of many kinds of documents

Organisational / managerial skills

- leadership experience
- negotiation experience

Job-related skills

- Antennas, signal processing, circuits, mathematical modelling, test & measurements, EMI, EMF; EMC.

Computer skills MS/Open Office, various professional packages (EDA/CAD, CAS, Telecom GIS, CVI radio monitoring, AV, photo)

Driving licence

- A, B

ADDITIONAL INFORMATION

Publications
ISI and IEEE indexed

- Performance Analysis and Modelling of a Radio Frequency Energy Harvesting System
Cirstea Cosmin, Petrita Teodor, Gontean Aurel, Popescu Viorel
Advances in Electrical and Computer Engineering 02/2013
DOI: **10.4316/AECE.2013.01005**
- BA new method for interpolation of 3D antenna pattern from 2D plane patterns
T. Petrita, A. Ignea
10th International Symposium on Electronics and Telecommunications (ISETC 2012) , Timisoara; 11/2012
DOI: **10.1109/ISETC.2012.6408150**
- Comparison of two approximation models for near-field of BTS antennas
Teodor Petrita
35th International Conference on Telecommunications and Signal Processing (TSP 2012), Prague; 05/2012
DOI: **10.1109/TSP.2012.6256309**
- Approximation of antenna diagram for BTS antennas.
Teodor Petrita
34th International Conference on Telecommunications and Signal Processing (TSP 2011), Budapest, Hungary,08/2011
DOI: **10.1109/TSP.2011.6043731**

non-ISI

- “Comb Generator for Measurement Receiver Test”
T. Petrița and A. Mihăiuiț
Buletinul Științific al Universității "Politehnica" din Timișoara , Tom 50(64), Fascicola 1, 2005