Razvan-Florentin TRIFAN

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R&D Telecoms Engineer

Education

October 2015 - present	**"POLITEHNICA"** Univ. of Bucharest (UPB), *Romania*, PhD.
	title Innovative Algorithms and Techniques used in 5G Digital Communication Systems
2012-2013	**SUPÉLEC**, *Gif sur Yvette, France*, Research Master, Rank 3/26.
	title Advanced Wireless Communications Systems
2011-2013	**"POLITEHNICA"** Univ. of Bucharest (UPB), *Romania*, Professional Master, Rank 1/24.
	title Mobile Communications
2007-2011	**"POLITEHNICA"** Univ. of Bucharest (UPB), *Romania*, Engineer Diploma, Rank 3/100.
	title Technologies and Telecommunications Systems

Work Experience

October 2013 - present	**R&D System Engineer**, InfoVista, Les Ulis (France).	
	4G In Vitro	○ Adaptive **Radio Resources Scheduling** algorithm specifications and development
		○ **LTE** technology aware **Carrier Aggregation, Uplink Power Control, HARQ**
		○ **Big Data Analysis** for evaluating vendor scheduling statistics
	Other Projects	○ **Technical specifications** conception and reviewing
		○ **Active research** on LTE technology aspects
		○ **3D Geolocation** of call traces
February - August 2012	**Radio Design Engineer**, ORANGE, Bucharest (Romania).	
	Radio Planning and Design	Radio Access Network, Spectrum planning and optimization (Mobile systems **2G/3G**, Radio antennas and equipments)
July 2011 - February 2012	**Integration Engineer**, ALVARION, Bucharest (Romania).	
	WiMAX	Architecture Troubleshoot (Network equipments, **TCP/IP** protocol stack)
August 2013, June 2011	**Graduation Thesis**, SUPÉLEC (France) *and* UPB (Romania).	
	Master	Area spectral efficiency optimization in HetNets, conditioned by the backhaul link (optimization, information theory, stochastic geometry)
	Engineer	MIMO techniques used in LTE (MIMO, LTE, signal treatment)

Key Skills

Languages	*Romanian* - native, *French* - fluent, *English* - fluent
Telecom	CISCO CCNA certified, IEEE Member, Mentum Planet (InfoVista), Asset (Aircom), Tems.
Programming	R, Matlab, C/C++/C#, Java, Linux, LaTeX.
Others	Visual Studio, Multisim, LabView, Assembler, Verilog.

Interests and Activities

Publications	*Mirroring LTE Scheduler Performance with an Adaptive Simulation Model*, IEEE VTC Spring'15
Competitions	BEST Engineering Marathon (04.2011), Tudor Tanasescu National Contest (04.2010),
International	Erasmus Student - France (2012-2013), Youth Exchange Program - Turkey (06.2011), Leader Educational Project - Romania (02.2010)
Hobbies	Volleyball (COUlis club member), Tennis, Ping-pong, Reading, Travelling