FORMATO EUROPEO PER IL CURRICULUM VITAE

PERSONAL INFORMATION

Name	**KHOSRONEJAD MISAGH**
Address	
Telephone	
Fax	
E-mail	
Nationality	
Date of birth	09/01/1989

WORK EXPERIENCE

• Dates (from – to)	2014-Present
• Name and address of employer	SGM-Lektra Srl., Via Papa Giovanni XXIII, 49, 20090, Rodano, MI, Italy
• Type of business or sector	Communication and telecommunications
• Occupation or position held	Technical Microwave and Antenna Designer
• Main activities and responsibilities	Design, analysis, fabrication, and experimental measurement of microwave and antenna circuits for environmental monitoring and measurement applications.

Main activities:

- Design and Implementation of a Pulsed Microwave Level Measurement Radar RF-System for Industrial Application and Environmental Monitoring at 26GHz
- Design and Implementation of an Industrial Microwave Radar RF-System for Level Measurement and Temperature Monitoring in UHF band
- Design and Implementation of a novel high directive rectangular patch 1x4 array antenna operating at 26GHz for Radar applications
- Design and Implementation of a 4x4 array antipodal annular ring dipole antenna for automotive radar application at K-band

• Dates (from – to)	2013-Present
• Name and address of employer	Department of Electronic, Information and Bioengineering(DEIB), Politecnico di Milano, MI, Italy
• Type of business or sector	Communication and telecommunications
• Occupation or position held	Research Assistant
• Main activities and responsibilities	Design, study and analysis of microwave and antenna circuits.

Selected research activities:

- Analytical and numerical study of antipodal planar log-periodic dipole antennas to extract a modified algorithm in order to design PLPDAs with corrections respect to medium changes
- Analytical and Numerical design of a new structures of perfect transpolarizing surfaces suitable for linear-to-linear and linear-to-circular polarization conversion
- Design and study of an ultra-wideband planar log periodic dipole antenna for Terahertz applications (Operating at 0.1-3 THz)
- Analytical and Numerical Analysis on a New Easy Approach to Analyze the Propagation of an Elliptical Shaped Horn Antenna using MATLAB
- Analytical and Numerical Analysis on a New Approach to Compute the EM-Fields in a Perturbed Circular and Elliptical Waveguides using MATLAB
- Study of Antenna-Radome System in order to Enhance the Gain and Shrink the Beamwidth of a Circular Horn Antenna using MATLAB and HFSS
- Design, Simulation and Implementation of High Directive, Dual Band Metamaterial-Based Antenna for WI-FI Application (Operating at 2.4GHz and 5.5GHz) using FEKO and HFSS

• Dates (from – to)	2011-2012
• Name and address of employer	Setigh Fara Ofogh Company (SFOco.), Tehran, Iran
• Type of business or sector	Communication and telecommunications
• Occupation or position held	Technical Microwave and Antenna Designer
• Main activities and responsibilities	Design, analysis, fabrication, and experimental measurement of microwave and antenna circuits.

Main activities:

- Design and Developing of RF-Fuse (Antenna's T/R Switch) Operating at C-Band with 10mW Output Power

- Design and Developing of MTI-Radar (RF & Antenna Sections) Operating at C-band with 10W Output Power

• Dates (from – to)	2010-2012
• Name and address of employer	Department of EE in Khaje Nasiroddin Toosi University of Technology(KNTU), Tehran, Iran
• Type of business or sector	Communication and telecommunications
• Occupation or position held	Research Assistant
• Main activities and responsibilities	Design, study and analysis of microwave and antenna circuits.

Selected research activities:

- Design, Simulation and Implementation of Single Element, Multilayered and Dual Polarized Microstrip Antenna (Operating at 5.5GHz with 25%BW, on RF35 and FR4 Boards) using HFSS

- Design, Simulation and Implementation of Multilayered and Dual Polarized Microstrip (8×8) Array Antenna (Operating at 5.5GHz with 25%BW) using HFSS

- Design, Simulation and Implementation of a Planar Archimedean Spiral Antenna for Special Application (To Detect of Pulse Discharge in High Voltage Transformer) Operating at 1.65GHz (300MHz-3GHz) using HFSS

- Design, Simulation and Implementation of a balanced antipodal Vivaldi Antenna and working on gain enhancement (Operating at 1-20 GHz) using HFSS

- Design, Simulation and Implementation of a Planar Log Periodic Antenna for Special Application (Detecting of Pulse Discharge in High Voltage Transformer) Operating at 1.1GHz (200MHz-2GHz) using HFSS

- Design, Simulation and Implementation of a Slender Antenna for Special Application (To Detect of Pulse Discharge in High Voltage Transformer) Operating at 600MHz (200MHz-1GHz) and 1.5GHz (1GHz-2GHz) using HFSS

- Design, Simulation and Analyzing of Microstrip Band Pass Filter (1.7GHz- 2.2GHz) using Microwave Office

- Simulation and Implementation of Inverted Microstrip Array Antenna (Operating at 9.7GHz) using HFSS

Selected teaching activities:

- *Advanced Electromagnetic*, Prof. M. S. Abrishamian, K. N. Toosi University of Tech., Tehran, Iran
- *Fields and Waves*, Prof. N. Granpayeh, K. N. Toosi University of Tech., Tehran, Iran
- *Engineering Electromagnetic*, Prof. A. Tadjalli, K. N. Toosi University of Tech., Tehran, Iran
- *Communication Systems*, Prof. M. Ghotbi, K. N. Toosi University of Tech., Tehran, Iran
- *Probability and Statistics*, Prof. M. Ghotbi, K.N.Toosi University of Tech., Tehran, Iran
- *Engineering Electromagnetic*, Prof. A. Ahmadi, K.N.Toosi University of Tech., Tehran, Iran
- *Mathematics II*, Prof. A. Ahmadi, K.N.Toosi University of Tech., Tehran, Iran

EDUCATION AND TRAINING

• Dates (from – to)	2014-Present
• Name of organization	POLITECNICO DI MILANO, MILAN, ITALY
• Title of qualification awarded	PhD in Telecommunication
• Dates (from – to)	2012-2014
• Name of organization	POLITECNICO DI MILANO, MILAN, ITALY
• Title of qualification awarded	Master of Science in Telecommunication
• Dates (from – to)	2007-2011
• Name of organization	Khaje Nasiroddin Toosi University of Technology (KNTU), Tehran, Iran
• Title of qualification awarded	Bachelor of Science in Electrical Engineering-Telecommunication

PERSONAL SKILLS

MOTHER TONGUE	**KURDISH**
OTHER LANGUAGES	
	PERSIAN
• Reading skills	EXCELLENT
• Writing skills	EXCELLENT
• Verbal skills	EXCELLENT
	ENGLISH
• Reading skills	EXCELLENT
• Writing skills	EXCELLENT
• Verbal skills	EXCELLENT
	ITALIAN
• Reading skills	GOOD
• Writing skills	BASIC
• Verbal skills	GOOD

TECHNICAL SKILLS AND COMPETENCES

COMPUTER TOOLS: *Microwave Office(AWR), CST, HFSS, FEKO, ADS, DXP, MATLAB, SIMULINK, C++, PSPICE, AutoCAD*

MICROWAVE LABORATORY EQUIPMENT: *Network and Spectrum analyzers, Oscilloscope, Signal generators, Soldering equipment, etc.*

REFERENCES

Prof. **Giuseppe Macchiarella**
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I authorize publishing this curriculum in accordance with art. 15 of D. Lgs: 33/2013.