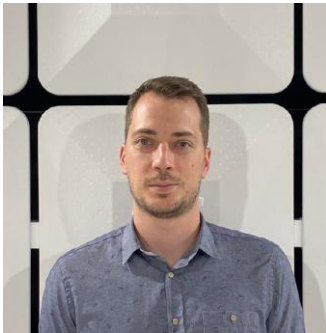


PERSONAL INFORMATION

BUTA Petru - Adrian



STUDIES APPLIED FOR

PhD student at IOSUD – Politehnica University of Timisoara, PhD School of Engineering Studies, Electronics, Telecommunications and Information Technologies field, under the scientific supervision of prof. univ. dr. -habil. eng. Aldo De Sabata

WORK EXPERIENCE

2018 - present

Team Leader

S.C. Continental Automotive Romania S.R.L. (Timisoara)

2016 - 2018

Electromagnetic Compatibility Test Site Responsible and Team Leader Backup

- First level support for colleagues in case of equipment issues.
- Management of calibrations and maintenance activities
- Verification of test reports, setups, deviations, encountered errors and DUT functional class statements.
- Creation of work instructions and test procedures
- Mentoring new colleagues

2012 - 2015

Electromagnetic Compatibility Test Engineer

- Performing EMC compliance and pre-compliance testing during the qualification phases of the product life cycle in accordance with generic or OEM standards.
- Carrying out calibration and maintenance activities on the involved measurement chains
- Test report creation and Pass/Fail assessment
- Testing was performed for the following divisions: Engine Systems, Transmission, Passive Safety – Airbag Control Units, Advanced Driver Assistance Systems, Commercial Vehicles, Pressure and Acceleration Sensors, Interior Instrumentation & Display and various other external customers from the Automotive Industry

Standards

- ISO 11452; CISPR25; ISO 7637; ISO 16750 and various other customer standards

Test Methods

- Bulk Current Injection
- Radiated Immunity
- Conducted Immunity
- Radiated Emissions
- Transient & Electrical Tests
- ESD

2011

Internship student for IT EA department

(S.C. Continental Automotive Romania S.R.L., Timisoara)

- Employed on IT department, working on a project called: "Integration of simulation into the PCB design flow"
- Main Tasks:
 - Comparison between Zuken and PSpice libraries of components
 - Assigning PSpice models to Zuken symbols (pin mapping & numbering)
 - Creation of subcircuits in PSpice for Zuken components by evaluation and prioritization (preferred model, searching for the best fitting model using ECDM tool and check for supplier, values, tolerance, component state, ECDM nomenclature)

2010 **Internship student for Engineering department**
(S.C. Delphi Packard Romania SRL, Sannicolau Mare)

2008, 2009 **Internship student for Lean department**
(S.C. Flextronics Romania SRL, Timisoara)

EDUCATION AND TRAINING

2022 **EMC IN AUTOMOTIVE ELECTRONICS**

Seminar hosted by AMETEK & RomTek Electronics SRL, Timisoara, Romania

2018 **SN EN ISO/IEC 17025:2005, SR EN ISO/IEC 17025:2018**

Seminar hosted by ACREDICERT SRL, Bucuresti, Romania

Problem solving & Decision Making

Training hosted by ASCENDIS, Timisoara, Romania

Emotional intelligence

Seminar hosted by ASCENDIS, Timisoara, Romania

2015 **CST STUDIO SUITE EMC/EMI Training**

Training hosted by CST, Darmstadt, Germany

2014 **Time management**

Training hosted by KNOW TEAM, Timisoara, Romania

PhD in Electronics and Telecommunications

Politehnica University Timisoara, Faculty of Electronics and Telecommunications, Timisoara, Romania

- Subject: Metamaterials, Electromagnetism, Microwaves, Antennas and Electromagnetic Compatibility
- Graduated MASTER degree – Politehnica University of Timisoara (Biomedical Electronics)
- Graduated The Pedagogical Module Level I – Politehnica University of Timisoara (enables teaching at High School)

2012 **Graduated degree – Politehnica University of Timisoara (Applied Electronics)**

- High Frequency Techniques
- Electromagnetic Compatibility
- Radio Communications
- Electronic Circuits
- Analog Integrated Circuits
- Microprocessors and Microcontrollers
- Power Electronics
- Audio & Video Signals
- Digital Telephony; Experimental Data Processing; Virtual Instrumentation

2011 **Graduation certificate “Elements of Quality Management” – offered by Continental Automotive Romania**
Graduation certificate “Zuken CR5000” – offered by Continental Automotive Romania

2008 **Voluntary participation in promoting the High School image**
Graduation certificate “Digital Media & Web Design” – Microsoft Unlimited

2007 **Potential**
3rd place award on English Speakers in High School district competition

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Replace with language	A2	A2	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Digital competence

- Electronics: Zuken CR5000: System Designer & Board Designer, PADS, Eagle, OrCAD, Protel, Circuit Maker, Multisim, PSpice.
- Programming: LabView, Visual Basic, C/C++, Assembly, MATLAB, Simulink.
- EMC Software: CST, EMC32, FFTemi, RSUS, REMI
- Microsoft Office Tools

Driving licence

- B

ADDITIONAL INFORMATION

Publications

- 2022: Ultra-Wide Band Frequency Selective Surface: design and experimental verification of performances for wide incident angle; ICEAA, Africa.
- 2022: Frequency Selective Surface for Ultra-Wide Band Filtering and Shielding; MDPI sensor journal.
- 2021: Wide-Band Liniar Polarizer Based on a Frequency Selective Surface; URSI, Roma.
- 2020: LTE Band Filtering Applications of a Fractal Based Frequency Selective Surface; ISETC, Timisoara.
- 2020: Multiple-Notch Frequency Selective Surface for Automotive Applications; COMM, Bucharest
- 2020: Analysis of Shielding Effectiveness of an Automotive Display through Simulation and Testing; EMC Europe, Italy.
- 2019: Fractal Frequency Selective Surface with Broadband Characteristics; ISSCS, Iasi.
- 2019: Interlaboratory Comparison of Conducted Emissions in Automotive EMC; SIITME, Cluj-Napoca.
- 2018: Applications of a Frequency Selective Surface Based on a Combination of a Jerusalem Cross and a Circular Ring; ICCOM, Bucharest.
- 2018: Stripline Measurements in Automotive EMC: A Case Study; ISETC, Timisoara.
- 2018: Interlaboratory Comparison of Radiated Emissions in Automotive EMC; EMC Europe, Amsterdam.
- 2017: Methods of reducing Conducted Emissions Levels; BDI, Iasi
- 2016: Measurement of Radiated Immunity in the Automotive Industry: Key Concepts; Timisoara, ISETC.
- 2016: Measurement of Radiated Emissions from an Automotive Cluster; Timisoara, ISETC
- 2016: Effect of Geometry Modulation on the Full Dispersion Diagram of a 2D Periodic Structure Build in Stripline Technology; Puerto Rico, APS/URSI