

JAN MACIOSZCZYK

Aleja Warszawska 85/9, 10-083 Olsztyn, Poland

tel. +48 607 752 178

jan.macioszczyk@gmail.com

SUMMARY

Born in 1989. Doctor of philosophy in electronics. Designer of electronics for novel technical solutions. Experienced in the design of antennas for scientific and practical applications (project for ABB company). Technician, researcher and tutor at Politechnika Wrocławska. Experienced in cooperation with specialists in various fields.

EXPERIENCE

2018 – 2019

ELECTRONICS DESIGNER

Intersonic, Olsztyn

Designing, constructing and testing devices.

2017 – 2018

RESEARCH ASSISTANT

Politechnika Wrocławska

Conducting the research and classes. Organizational activity.

2013 – 2018

RESEARCHER

Politechnika Wrocławska

Conducting the research. Documenting projects.

2013

INTERNSHIP

Technische Universität Ilmenau

Electrical measurements of the LTCC substrates.

2010 – 2011

INTERNSHIP

Instytut Elektrotechniki, Wrocław

Assembling and diagnostics of electronics.

2011 – 2018

THESPIAN AND TECHNICIAN

Teatr SZTAMPA, Wrocław

EDUCATION

2013 – 2018

PhD in Electronics

Wydział Elektroniki Mikrosystemów i Fotoniki, Politechnika Wrocławska

„LTCC atmospheric pressure plasma generators”

2012 – 2013

MSc in Electronics, Photonics and Microsystems

Wydział Elektroniki Mikrosystemów i Fotoniki, Politechnika Wrocławska

„Microwave 3D antennas made in LTCC technology”

SKILLS

Antenna technology

Numerical simulations (HFSS, COMSOL);
Fabrication technology (PCB, thick-film);
Measurements (S-parameters, radiation patterns);

Electronics

Electronic circuit simulations (LTspice, Qucs);
Design of electronic circuits (EAGLE);
Electronic measurements (multimeters, oscilloscopes, vector network analyzers);
Microcontroller programming (ATmega, STM32, Raspberry Pi);

Computer

Operating systems (Windows, basics of Linux);
Programming (Python, C, Assembler);
CAD Software (AutoCAD, SolidWorks);
Graphics software (CorelDRAW, PHOTO-PAINT);

Other

Excellent communication skills;
Creativity and self-reliance;
Organizing and reporting the work;
Logical thinking and problem solving;

2008 – 2012

Electronics and telecommunication engineer

Wydział Elektroniki Mikrosystemów i Fotoniki, Politechnika
Wrocławska
„LTCC flow thermostat in device for isolating of DNA”

PROJECTS

2017 – 2019

Miniature microplasma sources made in LTCC ceramics - technology and applications

NCN, principal investigator; planning, conducting and reporting the research.

2017 – 2018

Study of phenomena and characterization of microfluidic systems with microwave components in LTCC technology

NCN, co-investigator; fabrication and characterization of the microfluidic structures.

2015

LTCC module for galvanic isolation of digital signals

ABB sp. z o.o., making CAD model of the separator.

2015

LTCC PCB in the shape of disk

ABB sp. z o.o., designing ISM 2.4 GHz and ISM 13.56 MHz antennas.

2014 – 2017

Study of the selected microfluidic components made with LTCC technology

NCN, co-investigator; fabrication and characterization of the structures.

2011 – 2014

Methodology and technology integration of systems, components and high frequency structures using LTCC technology

NCN, co-investigator; fabrication and characterization of the structures.

2011 – 2012

LTCC flow thermostat in device for DNA isolation

Uniwersytet Medyczny we Wrocławiu, designing and constructing the device.

SCIENTIFIC CAREER

6 articles in JCR list;
2 articles in MNiSW list;
11 international conferences;
2 patents;
1 research grant NCN;

LANGUAGES

English – fluent;
German, Russian – basic;

AWARDS

- PhD dissertation awarded by the Council of the Faculty;
- best presentation at IMAPS 2017 conference;
- awarded at conferences: CICMT 2016, ISSE 2017, ISSE 2018 Zlatibor;
- top 10 alumni of the Faculty in 2012 and 2013;
- Rector award for student activity in 2012 and 2013;

INTERESTS

Theater;
History;
Travelling;