

## PERSONAL INFORMATION



## Robert Peter

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Sex Male | Date of birth 10/5/1984 | Nationality Croatian

## WORK EXPERIENCE

October 2016. –

**Assistant professor**

Department of Physics, University of Rijeka, Croatia

Teaching position at Department of Physics and research work at the Laboratory for Surface Physics and Materials at Center for Micro- and Nanosciences and Technologies

Science and education sector

January 2016. – September 2016.

**Postdoc**

Center for Micro- and Nanosciences and Technologies, University of Rijeka, Croatia

Research work at the Laboratory for Surface Physics and Materials  
Science sector

August 2016. – January 2016.

**Junior researcher**

Center for Micro and Nano Sciences and Technologies, University of Rijeka, Croatia

Research work at the Laboratory for Surface Physics and Materials  
Science sector

December 2008. – November  
2014.

**PhD student, teaching assistant**

Department of Physics, University of Rijeka, Croatia

Teaching assistant and research work at the Laboratory for Surface Physics and Materials at Center for Micro- and Nanosciences and Technologies  
Science and education sector

## EDUCATION AND TRAINING

January 2010. - November 2015.

**Doctor of science, field: Physics**

Faculty of Science, University of Zagreb, Croatia

Title of the PhD thesis: "Analysis of point defects in compound semiconducting materials by X-ray absorption spectroscopy and multiple scattering theory"

October 2002. – October 2008.

**Master of education in Mathematics and Physics**

Faculty of Arts and Science, University of Rijeka, Croatia

## PERSONAL SKILLS

Mother tongue(s)

Croatian

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

- Job-related skills**
- Experience in giving lectures and working with students
  - Experience with electron spectroscopy techniques: XPS (X-ray Photoelectron Spectroscopy) and NEXAFS (Near Edge X-ray Absorption Fine Structure), SIMS (Secondary Ion Mass Spectrometry), synthesis of thin films using ALD (Atomic Layer Deposition), SEM (Scanning Electron Microscopy)
  - Experience with FEFF program for simulation of NEXAFS spectra
  - Knowledge of FTIR spectroscopy and SQUID magnetometer

Digital competence	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Excellent knowledge of Microsoft Office (Word, Power Point, Excel), programs for data analysis and plotting (Origin, Kaleida), mathematical computations ( Mathematica), and basic knowledge of LaTeX and Unix operating system .

ADDITIONAL INFORMATION

**Publications** Author of 27 scientific publications. Full list of publications is available at:  
<https://bib.irb.hr/lista-radova?autor=312706>  
<https://scholar.google.hr/citations?user=3mOmjRkAAAAJ&hl=en>

- Selected conferences**
- Peter, Robert; Petravić, Mladen; Varašanec, Marijana; *High-resolution x-ray absorption spectra from ion-bombarded boron nitride nanotubes*, Programme and Book of Abstracts, 20th International Scientific meeting on Vacuum science and techniques, Slovenian Society for Vacuum Techniques, 2013. – invited talk
  - 2nd Adriatic school on nanoscience, Dubrovnik (Croatia), 2.-7.9.2012., *Oxidation of nitrogen vacancies in boron nitride nanotubes investigated by NEXAFS spectroscopy* – poster
  - *Oxide formation on chromium metal surfaces by low-energy oxygen implantation at room temperature*, 24th International Scientific Meeting on Vacuum Science and Technique, Zadar, Croatia (2017) – poster
  - *In-depth profiling of TiO2 films grown by Atomic Layer Deposition for the nitinol alloy coating*, SIMS Europe 2016, Münster (Germany) - poster

**Teaching** Holds courses in 4 (under)graduate subjects at Department of Physics University of Rijeka. Supervised 1 successfully completed M. Sc. Theses at Department of Physics.