






PERSONAL INFORMATION

Ionut Bogdan Cozar



-  Cluj-Napoca, Romania
-  +40744796129
-  bogdan.cozar@itim-cj.ro
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Sex Male | Date of birth 02/11/1982 | Nationality romanian

WORK EXPERIENCE

- 01.10.2010 - present, Senior Researcher III NIRDIMT
- 15.04.2011 - 2014, Research Assistant, "Babeş-Bolyai" University, Faculty of Physics
- 2008-2010, Life Insurance broker, Guild Broker
- 2004-2007, Systems Engineer, Caret

EDUCATION AND TRAINING

5-9.12.2011 : **Advanced training:** NTEGRA *Spectra* (NT-MDT, Russia) platform, Enables: Tip Enhanced Raman and Fluorescence Microscopy, confocal microRaman simultaneous with AFM, TERS, [Dr. Shelaev Artem, Russia], NIRDIMT, Cluj-Napoca, Romania,

01.10-31.12.2010 (3 months): **Doctoral internship:** Rheinisch-Westfaelische Technische Hochschule Aachen University, Germany, group of Prof. dr. Bernhard Blümich, NMR spectroscopy – Magic Angle Spinning.

**Medical Practice** at the Institute of Oncology, Asromedica and Medical III, Cluj-Napoca, Romania.

2008-2011: Cluj-Napoca, Romania, "Babeş-Bolyai" University, Faculty of Physics, **Phd in Physics**(very good).

007-2009: Cluj-Napoca, Romania, "Babeş-Bolyai" University, Faculty of Physics , **Msc in Biophysics and Medical Physics.**

2003-2007: Cluj-Napoca, Romania, "Babeş-Bolyai" University, Faculty of Physics , **Bsc in Biophysics and Medical Physics.**

2001-2004: Cluj-Napoca, Romania, Technical University of Cluj-Napoca, Computers Science College, **Engineer in Systems and Computer Science.**

1993-2001: Cluj-Napoca, Romania, Computer Science, "Emil Racovița" High School.

PERSONAL SKILLS

Leadership, analytical, communication, computer, teamwork, technical.

Mother tongue(s) romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
english	Very good	Very good	Very good	Very good	Very good
german	Medium	Good	Medium	Medium	Good

Communication skills Good

Organisational / managerial skills Good

Job-related skills

- Investigation of organic molecules adsorbed on metal and semiconductor surfaces by AFM, STM, confocal Raman SERS and TERS.
- Computational physics (*ab initio* models based on DFT). DFT studies on organic molecular structures, investigation of molecules/surface interactions, and comparison of theoretical results with experimental data.
- During my PhD I was focused on molecular structural investigations (geometric structure elucidation and electronic properties characterization) investigated by experimental techniques and computational physics.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Very good	good	good	good	good

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

**Engineer in Systems and Computer Science.** Cluj-Napoca, Romania, Technical University of Cluj-Napoca, Computers Science College

Replace with your other computer skills. Specify in what context they were acquired. Example:

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer

Other skills ▪ martial arts

Driving licence B

ADDITIONAL INFORMATION