

PERSONAL INFORMATION

Vasile Rednic

 67-103 Donat Street, Cluj-Napoca (Romania)

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 vasile.rednic@itim-cj.ro

WORK EXPERIENCE

2016–Present

IDT II

National Institute for Research and Development on Isotopic and Molecular Technologies, Cluj-Napoca (Romania)

- alternative energy
- fluid mechanics
- heat exchangers

2013–2016

Project execution engineer

Emerson SRL, Cluj-Napoca (Romania)

Design, execution and testing of fluids analysis complete solutions for safe and hazardous areas:

- water quality systems
- continuous emissions monitoring systems

2008–2013

Scientific researcher

National Institute for Research and Development on Isotopic and Molecular Technologies, Cluj-Napoca (Romania)

- sample preparation (bulk and nanomaterials)
- crystallographic studies by XRD
- electronic structure by XPS
- magnetic investigations
- local structure by XAS

EDUCATION AND TRAINING

2000–2004

Physics Diploma

Babes-Bolyai University, Cluj-Napoca (Romania)

2004–2005

Master Degree in Solid State Physics

Babes-Bolyai University, Cluj-Napoca (Romania)

2005–2010

PhD Degree

Osnabruck University, Germany and Babes-Bolyai University, Romania

PERSONAL SKILLS

Mother tongue(s)

Romanian

Foreign language(s)

UNDERSTANDING

SPEAKING

WRITING

	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C1	C1	C1	C2
French	A1	B1	A1	A2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills good communication skills gained working on research groups

Organisational / managerial skills managerial skills: Project manager CNCSIS TD-268/2007-2008
organisational skills: project leader for design, execution and testing of analytical systems

Job-related skills Research: preparation and physical characterization of magnetic materials, supported metal catalysts, glasses and glass ceramics
Engineering: design of solar systems, design of fluid analysis systems, sample probes design, heat exchangers design

Digital skills office software, data analysis, thermodynamics simulation (ANSYS)