



## SPOMENKA KOBE Curriculum Vitae

Professor, Jožef Stefan Institute, Slovenia

### EDUCATION AND TRAINING

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1991                      **PhD. Materials Science**  
Faculty of Chemistry and Chemical Technology  
University of Ljubljana, Slovenia

### WORK EXPERIENCE

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2018-present            Coordinator of European project ERA-MIN2 MaXcycle

2017-present            Member of Slovenian Academy of Engineering IAS

2013-present            President-elect of Slovenian Academic Society for Science  
and Engineering SATENA  
Slovenian Academic Society for Science and Engineering SATENA

2012-2015                Coordinator of European Project ROMEO

2012- present            Full Professor at International Postgraduate School Jožef Stefan  
International Postgraduate School Jožef Stefan

2009-present            Elected Member of the Scientific Board of Jožef Stefan Institute  
Jožef Stefan Institute, Ljubljana, Slovenia

2003-present            Leader of the National Research Programme “Nanostructured Materials”  
Jožef Stefan Institute, Ljubljana, Slovenia

2003-present            Scientific Advisor  
Jožef Stefan Institute, Ljubljana, Slovenia

2002-2013	Member of the Executive Board of Slovenian Academic Society for Science and Engineering SATENA Slovenian Academic Society for Science and Engineering SATENA
2002-present	Member of International Postgraduate School Jožef Stefan International Postgraduate School Jožef Stefan
2001-present	European Expert and Evaluator European Commission
2001-2018	Head of Department for Nanostructured Materials Jožef Stefan Institute, Ljubljana, Slovenia
1996-1997	Visiting Scientist University of Western Australia, Perth, Australia
1997-2003	Head of Powder Metallurgy and Intermetallic (PMIM) Group Jožef Stefan Institute, Ljubljana, Slovenia
1997-2005	Associate Professor University of Ljubljana, Faculty for Natural Sciences
1990-1996	Magnetic Materials Group Leader Jožef Stefan Institute, Ljubljana, Slovenia
1990-2002	Senior Researcher Jožef Stefan Institute, Ljubljana, Slovenia
1989-1990	Visiting Scientist <u>University of Twente</u> , Enschede, The Netherlands
1974-1989	Research Associate Jožef Stefan Institute, Ljubljana, Slovenia

## RESEARCH ACTIVITIES

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Publications 160+

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Patents 5 patents (3 EP), 5 successful transfers of technology to industrial production.

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Projects Coordinator in ROMEO: Replacement and original magnet engineering options, FP7 NMP Collaborative project, 2012-2015  
Principal investigator in several EU and National research projects.

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Awards State Award for Scientific Research (Ph.D. work),  
State award for Scientific Research (innovation of procedure for thermal processing of SmCo magnets),  
Two innovation chains  
First award for the innovation in the fair organized by Chamber of Commerce (1992)

## PERSONAL SKILLS

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Mother tongue(s) Slovene

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/2	C1/2	C1/2	C1/2	C1/2
French	A1/2	A1/2	A1/2	A1/2	A1/2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages

Communication Skills Excellent

Organizational / managerial skills Excellent organizational/managerial skills.

Job-related skills Processing of rare-earth transition-metal (RETM) permanent magnets (PMs), Gaseous interactions with RETM magnetic materials, Hydrogen-storage materials, High-temperature magnetic measurements for RETM PMs, Magnetic thin films and nanostructures, Quasicrystals, Magnetocaloric materials, Complex Metallic Alloys, Influence of magnetic field in crystallization, Application of RETM permanent magnets in ecology, Effect on processing on microstructure and physical properties.  
Applied research has included the development and large-scale production of a large variety of magnetic materials, and in strong collaboration with industry; it has involved product development, quality control and troubleshooting at the factory-floor level.

Computer skills All types of software relevant to scientific research.

Driving license B

