



## Europass Curriculum Vitae



### Personal information

**Surname(s) / First name(s)** **Sedmak Aleksandar**

Address(es) Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia

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Nationality Serbia

Date of birth 2.5.1955

Gender Male

### Work experience

**Dates** 2001 – Present

**Occupation or position held** Full Professor (from 2001)  
Director of Innovation Centre (from 2007)  
Vice-Rector of University of Belgrade for the international cooperation (2006-2009)  
EUREKA High Level Representative (from 2003)

**Main activities and responsibilities** Education in Material science and engineering, Fracture mechanics and Structural integrity, Welding science and practice, Leading projects, making strategic decisions, International cooperation, including bilateral cooperation with Croatia and Slovenia, Eureka, FP7 and CIP projects, courses for the International Welding Engineers

**Name and address of employer** Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia

**Type of business or sector** Education, Research & Development

**Dates** 2004 – 2006

**Occupation or position held** Assistant Minister  
Head of Sector for Technology Development and Innovation System,  
EUREKA High Level Representative

**Main activities and responsibilities** Directing and coordinating Serbia's Technology Development and Innovation System, international cooperation

**Name and address of employer** Ministry of Science and Environmental Protection, Republic of Serbia  
Nemanjina 22-26, 11000 Belgrade, Serbia

**Type of business or sector** Government

**Dates** 2003 – 2004

**Occupation or position held** Assistant Minister  
Head of Sector for Technology Development, EUREKA High Level Representative

**Main activities and responsibilities** Directing and coordinating Serbia's Technology Development, international cooperation

Name and address of employer	Ministry of Science, Technology and Development, Republic of Serbia Nemanjina 22-26, 11000 Belgrade, Serbia
Type of business or sector	Government
Dates	2006 – Present
Occupation or position held	President
Main activities and responsibilities	Top-level management of the learned society
Name and address of employer	Serbian Society for Structural Integrity and Life, Blvr Vojvode Misica 37, 11000 Belgrade, Serbia
Type of business or sector	Professional association
Dates	1995 – 2001
Occupation or position held	Associate Professor
Main activities and responsibilities	Education in Material science and engineering, Fracture mechanics, Welding science and practice,, Leading project, managing research activities
Name and address of employer	Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia
Type of business or sector	Education, Research & Development
Dates	1990-1995
Occupation or position held	Assistant Professor
Main activities and responsibilities	Education in Material science and engineering, Fracture mechanics, Welding science and practice, Leading project, managing research activities
Name and address of employer	Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia
Type of business or sector	Education, Research & Development
Dates	1979-1990
Occupation or position held	Assistant
Main activities and responsibilities	Education in Material science and engineering, Fracture mechanics, Welding science and practice, Scientific research
Name and address of employer	Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia
Type of business or sector	Education, Research & Development
Dates	1999-2002
Occupation or position held	Visiting Professor
Main activities and responsibilities	Education, Scientific research in Material science and engineering
Name and address of employer	Drexel University, Materials Engineering Dept., 33 <sup>rd</sup> street, Philadelphia, USA
Type of business or sector	Education, Research & Development

## Education and training

Dates	1982-1988
Title of qualification awarded	PhD Mechanics
Principal subjects/occupational skills covered	Advanced skills in numerical and analytical problem solving in the area of fracture mechanics Thesis: Conservation law of J integral type for thin shells; Thesis Advisors: Profs. M.Berkovic, J.Jaric
Name and type of organisation providing education and training	Faculty of Mathematics, University of Belgrade
Level in national or international classification	Dr
Dates	1978-1982
Title of qualification awarded	MSc Mech Engng.
Principal subjects/occupational skills covered	Numerical simulations of structure
Name and type of organisation providing education and training	Faculty of Mechanical Engineering, University of Belgrade

Level in national or international classification | Mag

Dates | 1973-1978

Title of qualification awarded | BSc Mech Engng

Principal subjects/occupational skills covered | Problem solving in the area of Mech Engng

Name and type of organisation providing education and training | Faculty of Mechanical Engineering, University of Belgrade

Level in national or international classification | Dipl. Ing.

**Personal skills and competences**

Mother tongue(s) | **Serbian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**

**Russian**

**German**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	B2	Independent user	A2	Basic user	A2	Basic user	A2	Basic user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(\*) *Common European Framework of Reference for Languages*

Social skills and competences | Highly experienced in working in multicultural and multi national teams  
Excellent communication skills acquired through teaching, presenting research results and projects

Organisational skills and competences | Coordinator for courses for International Welding Engineers  
Extensive experience in project and team management; currently involved in several international and national RTD projects  
Proven leadership skills in several Governmental and Academic positions

Technical skills and competences | Experience in the management of RTD and exploitation of scientific results, gathered in various top management positions

- 1 Experience in research projects related to education or
- 2 Experience in teaching/curricula designing for specific vocations or
- 3 Working or advising experience on education related issues for the Ministry of Education