

Europass Curriculum Vitae



Personal information

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

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

Telephone(s) +381 11 3302497

Fax(es) +381 11 3370364

E-mail asedmak@mas.bg.ac.yu

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
ESIS vice-president, elected 2014

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

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| 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 rd 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