

CURRICULUM VITAE

1. **Family name:** Mandic
2. **First names:** Vesna
3. **Date of birth:** 27. 09. 1963.
4. **Nationality:** Serbian
5. **Civil status:** Married
6. **Education:**



Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
Mechanical Engineering Faculty, University of Kragujevac 1982-1987	B.Sc Diploma in Engineering
Mechanical Engineering Faculty, University of Kragujevac 1988-1993	M.Sc. in Engineering
Mechanical Engineering Faculty, University of Kragujevac 1994-2002	Ph.D in Engineering

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	3	2
Russian	3	3	3
Serbian	1	1	1

8. **Membership of professional bodies:**

- Serbian Computational Mechanics Association
- ICT Collaborative Network
- VMnet -Virtual Manufacturing Network

9. **Other skills:**

- computer literacy (Microsoft Office),
- programming in Fortran, Turbo Pascal, PLI
- CAD modelling, AutoCAD, CATIA,
- CAE modelling (application of Finite Element Method - FORGE2, PAK, CAMPform 2D, MSC.SuperForme, MSC.SuperForge, Simufact.forming, Stampcak software)

10. **Present position:** Associate professor, Mechanical Engineering faculty,
University of Kragujevac

11. **Years within the firm:** 22 years

12. **Key qualifications:**

- Physical-numerical (FEM/FVM) modelling of different production processes: hot forging in open and closed dies, hot and cold extrusion, porthole-die extrusion, drawing bar and

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tube, expansion and necking steel seam welding tube, cold indenting, upsetting processes etc.

- 51 scientific papers in conferences in our country and abroad, in domestic and foreign journals.
- Participation in realization and coordination of many projects, which were either financed by Ministry of Science of Republic of Serbia (9), or were realized in direct cooperation with industry (more than 20).
- Dr Mandic is experienced in coordinating and managing of international (EU) projects:
 1. TEMPUS, IMG-SCG1007-2004, DIMEG Padova, (Grant holder).
 2. WUS Austria, CDP+ project No 009/2004, Modelling and Simulation in Metal Forming, (*Project Coordinator*).
 3. EUREKA/ASMATA, 2005, E!3240: Renewal of steel car parts with aluminium, – ASMATA (*Project team member*)
 4. Bilateral project between Serbia and Slovenia, 2006-2008, Optimization of material forming processes through physical modelling, FE simulation and inverse analysis, (*Project Coordinator for Serbia*)
 5. eLearning WUS projekat, 2006, No. 002/06, Development of Metal Forming Electronic Instructional Resources (*Project Manager*).
 6. Course Development Plus WUS projekat, 2006, No. 103/2006, Virtual Engineering (*Project Coordinator*)
 7. Virtual Manufacturing Support for Enterprises in Serbia, EAR-EDEP Programme, 2006-2007 (*Project Manager and Coordinator*).
 8. Reinforcement of Research Capacity in Software Development and Innovative Collaborative Design and Engineering in Serbia and Montenegro, RRCSD INNCODE, FP6 INCO 043820, 2007-2009, (*Project Manager*)
 9. WBC Virtual Manufacturing Network – Fostering an Integration of the Knowledge Triangle, 144684-TEMPUS-2008-RS-JPHES, 2009-20012, (Project grant holder and Coordinator)
 10. Promoting Innovation in the Industrial Informatics and Embedded Systems Sectors through Networking, I3E, SEE/A/219/1.1/X, 2009-2012, (Coordinator for Serbia)
- Development and coordination of VMnet – Virtual Manufacturing Network in Serbia
- Organization of advanced trainings for SMEs and companies in the area of Virtual Manufacturing technologies and its application in product and process development
- Curriculum Development based on qualification framework, learning outcomes and ECTS system, for Mechanical engineering studies, in line with Bologna Declaration
- Modernization of teaching process by application of VM technologies in engineering
- Consulting services for entrepreneurs, SMEs and start-ups
- Consulting in preparation of the applications for international projects and grants
- Project and financial management

13. Specific Experience in the region:

- 2004, Italy, 6 weeks, University of Padova, Department of Innovative Technologies and Management DIMEG, TEMPUS IMG-1007/2004 project
- 2005, Greece, 7 days, NTUA Atina, TEMPUS JEP-16516 project
- 2006, Germany, 7 days, TU Braunschweig, TEMPUS JEP-18114 project
- 2006, Slovenia, 10 days, University of Ljubljana, Bilateral project Serbia-Slovenia
- 2007, Slovenia, 10 days, University of Ljubljana, Bilateral project Serbia-Slovenia
- 2007, Spain, 7 days, TU Catalonia, Barcelona, TEMPUS JEP-18114 project
- 2007, Slovenia, 7 days, University of Ljubljana, FP6 INCO 043820, RRCSD project
- 2008, Slovenia, 10 days, University of Ljubljana, Bilateral project Serbia-Slovenia
- 2008, Germany, 7 days, Simufact, Hamburg, FP6 RRCSD INNCODE project
- 2008, Germany, 5 days, Round Table, Babmerg, FP6 RRCSD INNCODE project

13. Professional experience

Date from - Date to	Location	Company	Position	Description
2008-	Kragujevac, Serbia	Mechanical Engineering Faculty, University of Kragujevac	Associate professor	<ul style="list-style-type: none"> • Associate professor at Mechanical Engineering Faculty • Teacher on courses: Machines and tools in metal forming, Modelling and Simulation in Metal Forming, Virtual Engineering, Computer Aided Manufacturing • Manager of 8 international projects in the area of research and innovation • Manager of Centre for Virtual Manufacturing at Mechanical Engineering Faculty (2006-2009)
2008-	Kragujevac, Serbia	Business Start-up Centre Kragujevac	Consultant	<ul style="list-style-type: none"> • Consultant of BSC Kragujevac for Entrepreneurs, start-ups, SMEs, in the area of Product and process development, ITC technologies, Innovations, Trainings
2004-2006	Kragujevac, Serbia	Mechanical Engineering Faculty, University of Kragujevac	Vice-Dean for finances	<ul style="list-style-type: none"> • Vice-Dean for finances at Mechanical Engineering Faculty • Manager of Financial-material unit (office) • Financial management
2003-2008	Kragujevac, Serbia	Mechanical Engineering Faculty, University of Kragujevac	Assistant professor	<ul style="list-style-type: none"> • Assistant professor at Mechanical Engineering Faculty • Teacher on courses: Machines and tools in metal forming, Metal forming II • Researcher on 4 scientific-research projects • Development of new courses: Modelling and Simulation in Metal Forming, Virtual Engineering • Teacher on courses: Modelling and Simulation in Metal Forming, Virtual Engineering • Coordinator of 8 international projects in the area of education, research and innovation • Manager of Centre for Virtual Manufacturing at Mechanical Engineering Faculty • Manager of number of projects with industry
1994-2003	Kragujevac, Serbia	Mechanical Engineering Faculty, University of Kragujevac	Assistant	<ul style="list-style-type: none"> • Assistant-trainee on courses: Machines and tools in metal forming, Metal forming (Production technologies I) • Researcher on 3 scientific-research projects and projects with industry
1988-1994	Kragujevac, Serbia	Mechanical Engineering Faculty, University of Kragujevac	Assistant- trainee	<ul style="list-style-type: none"> • Assistant-trainee on courses Machines and tools in metal forming and Metal forming. • Young researcher on 2 domestic scientific-research projects • Software Developer of 2 technical solutions in TURBO PASCAL and DXF-AutoCAD
1987-1988	Kragujevac, Serbia	"Zastava, organisation and information systems"	Programmer	<ul style="list-style-type: none"> • Programmer of information systems for industry in PLI, DBASE III+ • Designer of data bases

Signature of the expert: