

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

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| Surname(s) / First name(s) | Penava/Davorin |
| Address(es) | Drinska 16a, HR-31000 Osijek, Republic of Croatia |
| Telephone(s) | +385 (0) 31/274-377 |
| Fax(es) | +385 (0) 31/274-444 |
| E-mail(s), Web address(s) | dpenava@gfos.hr |
| Nationality(-ies) | Croat |
| Date of birth | November 15 th , 1981 |
| Gender | Male |
| Identification number from Records of Scientific Workers | 285681 |

WORK EXPERIENCE

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|--------------------------------------|---|
| • Dates (from – to) | April 2006 - present |
| Name and address of employer | University of J.J. Strossmayer in Osijek, Faculty of Civil Engineering, Drinska 16a, HR-31000 Osijek, Republic of Croatia |
| Type of business or sector | -Scientific research (reinforced concrete and masonry structures, earthquake engineering) -Education (Mechanics of materials, Theory of plates and shells, Finite element method) -Practice projects (co-worker on 9 projects) |
| Occupation or position held | Junior researcher |
| Main activities and responsibilities | -Conducting research in a project team "Seismic design of infilled reinforced concrete frames" -Experimental and numerical studies -Writing/reviewing scientific articles for international journals/conferences -Presenting results at conferences and project meetings -Co-supervising master students working on science project -Managing organizational part of project activities -Teaching: Mechanics of Materials 1 and 2, Plate and Shell Theory, The Finite Element Method -Practice projects related to structural engineering statics and dynamics -Applicant of DYNET / SEEFORM / DAAD program |
| Skills | -Experimental investigation -Measurement equipment and software -Numerical investigation -Programming in MATLAB -Ability to work in an international team |

EDUCATION

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| Date | February 2009 - present |
| Name and type of organisation providing education | -University of J.J. Strossmayer in Osijek, Faculty of Civil Engineering, Drinska 16a, HR-31000 Osijek, Republic of Croatia -RWTH Universität, Fakultät für Bauingenieurwesen, Mies van der Rohe Straße 1, D-52074 Aachen, Germany -DYNET / SEEFORM / DAAD program |
| Principal subjects/occupational skills | -Experimental Studies, Numerical investigation, Reinforced concrete structures, masonry structures, Earthquake engineering |
| PhD thesis | "Lateral Force Behaviour of Infilled RC Frames with Openings" Supervisors: prof.dr.sc. Vladimir Sigmund dipl.ing.grad., Dr.-Ing. Cristoph Butenweg |

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| Date | November 2005 - September 2008 |
| Name and type of organisation providing education | -University of Belgrade, Faculty of Civil Engineering, Bulevar kralja Aleksandra 75, RS-11 000 Belgrade, Republic of Serbia -DYNET / DAAD program licensed by Ruhr-Universität Bochum, Fakultät für Bau- und Umweltingenieurwissenschaften |
| Title or qualification awarded | Master of Science (mr.sc.) |
| Principal subjects/occupational skills | Dynamics of structures, Soil-structure interaction, Finite element method, Programming |
| Master thesis | "Vibration Analysis of Frame Structures Using Spectral Element Method" Supervisors: v.prof.dr. Mira Petronijević dipl.inz.grad., Prof.Dr.-Ing. Günther Schmid, PhD, prof.dr.sc. Vladimir Sigmund dipl.ing.grad., |

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| Date | October 2000 - November 2005 |
| Name and type of organisation providing education | University of J.J. Strossmayer in Osijek, Faculty of Civil Engineering, Drinska 16a, HR-31000 Osijek, Republic of Croatia |
| Title or qualification awarded | Civil Engineer (dipl.ing.grad.) |
| Principal subjects/occupational skills | Dynamics of structures, Earthquake engineering, Structural Modeling |
| Diploma thesis | "Passive Seismic Energy Dissipation Devices" Supervisor: prof.dr. Vladimir Sigmund dipl.ing.grad. |

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| Date | September 1996 – July 2000 |
| Name and type of organisation providing education | Technical School of Rudjer Boskovic Vinkovci, Stanka Vraza 15, HR-32100 Vinkovci, Republic of Croatia |
| Title or qualification awarded | Civil Technician |
| Principal subjects/occupational skills | Basics of statics, mechanics and structural design, Project documentation processing, Basic terminology on German language |
| Final exam | "Preliminary Project of Hotel" Supervisor: Renata Milošević ing.grad. |

TRAINING

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| Date | October 2009 – January 2010 |
| Name and type of organisation providing education | -RWTH Universität, Fakultät für Bauingenieurwesen, Mies van der Rohe Straße 1, D-52074 Aachen, Germany |
| Principal subjects/occupational skills | -Nonlinear FE analysis and analytical study of lateral force behaviour of reinforced concrete structures with unreinforced masonry infills |

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|---|---|
| Date | April 2009 |
| Name and type of organisation providing education | -University of ss. Cyril and Methodius, Faculty of Civil Engineering, Skopje, FYR Macedonia |
| Principal subjects/occupational skills | -Technical acoustics, nonlinear structural dynamics |

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|---|--|
| Date | June 2007 |
| Name and type of organisation providing education | -EMPA, Dübendorf, Swiss Confederation |
| Principal subjects/occupational skills | -Structural dynamics and vibration measurement |

**PERSONAL SKILLS AND
COMPETENCIES**

Mother tongue(s)

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| Croatian |
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Other language(s)

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| Language | English |
| Speaking | Very good |
| Writing | Very good |
| Understanding (listening and reading) | Very good |

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| Language | German |
| Speaking | Good |
| Writing | Good |
| Understanding (listening and reading) | Good |

**SOCIAL SKILLS AND
COMPETENCIES**

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| - Experience in working in an international environment - International social networking experience - Experience with project team work |
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**ORGANISATIONAL SKILLS AND
COMPETENCIES**

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| -Experience with an organizational part of project management -Experience with organizing group social activities |
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**TECHNICAL SKILLS AND
COMPETENCIES**

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| -Operating systems: Windows -Office software: Microsoft Office -Engineering software: Dewesoft, ACAD, Robot Millennium, SAP2000, Tower, ETABS, ADINA, MATLAB, ATENA |
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**COMPUTER SKILLS AND
COMPETENCIES**

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| -Programming: MATLAB |
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MEMBERSHIPS AND AWARDS

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| -Croatian Society of Mechanics -Croatian Association of Civil Engineers -University Rector Award -Lions Club International Award |
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HOBBIES

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| Modelling, photography, drawing, reading, playing tennis, soccer, swimming |
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INTEREST

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| I'm interested in masonry and concrete in general, but specially in seismic design of reinforced concrete structures with masonry infill with openings (windows and doors), since this field is not well covered in literature, and it is very common in practice. This includes managing experimental investigation and development of analytical tools for simple and reliable accessibility for engineers in practice. |
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SIGNATURE
