

<b>Name of teacher:</b>	Joško Ožbolt
<b>Employed at: Since:</b>	Faculty of Civil Engineering in Rijeka 2002
<b>Title: Since: In:</b>	Professor  Engineering Mechanics, Technical Sciences
<b>e-mail address, web page</b>	josko.ozbolt@gradri.uniri.hr
<b>Knowledge of foreign languages:</b>	German, English

<b>Qualifications</b>	<ul style="list-style-type: none"> <li>- <b>date of birth, nationality:</b> 23.04.1955, Croatian</li> <li>- <b>First degree obtained at:</b> Gradjevinski Fakultet Zagreb</li> <li>- <b>Master degree obtained at:</b> Gradjevinski Fakultet Zagreb</li> <li>- <b>Ph.D. degree obtained at:</b> Gradjevinski Fakultet Zagreb</li> <li>- <b>additional education:</b> Postdoctoral degree (habilitation), University of Stuttgart</li> <li>- <b>previous employments:</b> University of Zagreb, University of Stuttgart</li> </ul>
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<b>List of papers published in scientific journals</b>	<p><b>10 most relevant refereed publications within the last 5 years</b></p> <p>Ožbolt J. and Sharma, A. (2012). Numerical simulation of dynamic fracture of concrete through uniaxial tension and L-specimen, Engineering Fracture Mechanics, 85, 88-102.</p> <p>Ožbolt, J., Oršanić, F., Balabanić, G. and Kušter, M. (2012). Modeling damage in concrete caused by corrosion of reinforcement: coupled 3D FE model, International Journal of Fracture, 178, 233-244.</p> <p>Ožbolt, J., Sharma, A., Irhan, B. and Sola, E. (2014). Tensile behavior of concrete under high loading rates, Int J Impact Eng, 69:55-68.</p> <p>Ožbolt, J., Oršanić, F. and Balabanić, G. (2014). Modeling pull-out resistance of corroded reinforcement in concrete, Coupled three-dimensional finite element model, Cement and Concrete Composites, 46, 41–55.</p> <p>Ožbolt, J., Bošnjak, J., Periškić, G. and Sharma, A. (2014). 3D Numerical analysis of reinforced concrete beams exposed to elevated temperatures. Engineering Structures, 58:166-174.</p> <p>Irhan, B., Ožbolt, J. and Ruta, D. (2015). 3D finite element simulations of high velocity projectile impact, International Journal of Solids and Structures, 72, 18-49.</p> <p>Ožbolt, J., Bede, N., Sharma, A., Mayer, U. (2015). Dynamic fracture of concrete L-specimen: Experimental and numerical study, Engineering Fracture Mechanics, 148, 27-41.</p> <p>Ožbolt, J., Tonković, Z. and Lacković, L. (2016). Microplane Model for Steel and Application on Static and Dynamic Fracture, Journal of Engrg. Mech., ASCE, 142, No. 2.</p> <p>Ožbolt, J., Oršanić, F. and Balabanić, G. (2016). Modeling influence of hysteretic moisture behavior on distribution of chlorides in concrete, Cement and Concrete Composites, 67, 73-84.</p> <p>Ožbolt, J., Balabanić, G. and Sola, E. (2017). Determination of critical anodic and cathodic areas in corrosion processes of steel reinforcement in concrete, Materials and Corrosion, 68, No. 6.</p>
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<b>List of publications which serve as a proof of teaching qualifications</b>	<p>Ožbolt J. and Sharma, A. (2012). Numerical simulation of dynamic fracture of concrete through uniaxial tension and L-specimen, Engineering Fracture Mechanics, 85, 88-102.</p> <p>Ožbolt, J., Oršanić, F., Balabanić, G. and Kušter, M. (2012). Modeling damage in concrete caused by corrosion of reinforcement: coupled 3D FE model, International Journal of Fracture, 178, 233-244.</p> <p>Ožbolt, J., Sharma, A., Irhan, B. and Sola, E. (2014). Tensile behavior of concrete under high loading rates,</p>
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	<p>Int J Impact Eng, 69:55-68.</p> <p>Ožbolt, J., Oršanić, F. and Balabanić, G. (2014). Modeling pull-out resistance of corroded reinforcement in concrete, Coupled three-dimensional finite element model, Cement and Concrete Composites, 46, 41–55.</p> <p>Ožbolt, J., Bošnjak, J., Periškić, G. and Sharma, A. (2014). 3D Numerical analysis of reinforced concrete beams exposed to elevated temperatures. Engineering Structures, 58:166-174.</p> <p>Irhan, B., Ožbolt, J. and Ruta, D. (2015). 3D finite element simulations of high velocity projectile impact, International Journal of Solids and Structures, 72, 18-49.</p> <p>Ožbolt, J., Bede, N., Sharma, A., Mayer, U. (2015). Dynamic fracture of concrete L-specimen: Experimental and numerical study, Engineering Fracture Mechanics, 148, 27-41.</p> <p>Ožbolt, J., Tonković, Z. and Lacković, L. (2016). Microplane Model for Steel and Application on Static and Dynamic Fracture, Journal of Engrg. Mech., ASCE, 142, No. 2.</p> <p>Ožbolt, J., Oršanić, F. and Balabanić, G. (2016). Modeling influence of hysteretic moisture behavior on distribution of chlorides in concrete, Cement and Concrete Composites, 67, 73-84.</p> <p>Ožbolt, J., Balabanić, G. and Sola, E. (2017). Determination of critical anodic and chathodic areas in corrosion processes of steel reinforcement in concrete, Materials and Corrosion, 68, No. 6.</p>
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<p><b>Leader of the following research projects</b></p>	<p>Modelling transport processes and corrosion of reinforcement in concrete, Leader, Croatian Government, 2007 – 2014.</p> <p>Modelling of concrete exposed to elevated temperature, Leader, DFG Germany, 2007 – 2009.</p> <p>Corrosion of reinforcement in concrete, Subproject: Numerical modelling, Leader of subproject, DFG Germany, 2007 – 2009.</p> <p>Modeling explosive spalling of concrete exposed to elevated temperature, Leader, DFG Germany, 2011 – 2013.</p> <p>Numerical modelling of corrosion of reinforcement in concrete, Leader, DFG Germany, 2011 – 2013.</p> <p>Numerical modelling of corrosion of reinforcement in concrete, Leader, DFG Germany, 2013 – 2016.</p> <p>Numerical modeling of concrete under extreme loading conditions - impact and fire, Leader, DFG Germany, 2012 – 2016.</p> <p>Fastening exposed to elevated temperature, Leader, DFG Germany, 2013 – 2017.</p>
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<p><b>Participant in the following research projects</b></p>	<p>Modelling transport processes and corrosion of reinforcement in concrete, Leader, Croatian Government, 2007 – 2014.</p> <p>Modelling of concrete exposed to elevated temperature, Leader, DFG Germany, 2007 – 2009.</p> <p>Corrosion of reinforcement in concrete, Subproject: Numerical modelling, Leader of subproject, DFG Germany, 2007 – 2009.</p> <p>Modeling explosive spalling of concrete exposed to elevated temperature, Leader, DFG Germany, 2011 – 2013.</p> <p>Numerical modelling of corrosion of reinforcement in concrete, Leader, DFG Germany, 2011 – 2013.</p>
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	<p>Numerical modelling of corrosion of reinforcement in concrete, Leader, DFG Germany, 2013 – 2016.</p> <p>Numerical modeling of concrete under extreme loading conditions - impact and fire, Leader, DFG Germany, 2012 – 2016.</p> <p>Fastening exposed to elevated temperature, Leader, DFG Germany, 2013 – 2017.</p>
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<b>Supervision of MSc theses</b>	30
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<b>Supervision of PhD theses</b>	15
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<b>Examination of MSc theses</b>	More than 10
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<b>Examination of PhD theses</b>	More than 10
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