

Name of teacher:	Mate Sršen
Employed at: Since:	University of Rijeka, Faculty of Civil Engineering 2005
Scientific / teaching title: Last election date: Scientific area and branch:	Emeritus professor 2015. Civil Engineering, Transport Infrastructure, Pavement Management
e-mail address, web page	mate.srsen@gradri.uniri.hr
Knowledge of foreign languages:	English, German, French passive
Qualifications	<ul style="list-style-type: none"> - date of birth, nationality: 01. 01. 1943., Croatian - First degree obtained at: Faculty of Civil Engineering in Zagreb, 1968 - Ph.D. degree obtained at: Faculty of Civil Engineering in Zagreb, 1975 - previous employments: 1968-1969: Railway Transport Company (ŽTP), Zagreb 1970-1977: Independent researcher, Croatian Institute of Civil Engineering (IGH) -Department of Construction Technology 1978-1990: Senior Expert Associate, Civil Engineering Institute (GI) -Department of Roads 1985-1989: Expert-coordinator, Civil Engineering Institute-Institute for Roads 1986-1987: Assistant Professor, Faculty of Civil Engineering (FGZ), University of Zagreb (subjects: Roads, Road Construction) 1988-1990: Associate Professor (subjects: Roads, Road Construction), Faculty of Civil Engineering, University of Zagreb, Split and Osijek 1989: Leads the course Surface properties of pavements at the Postgraduate Study of FGZ University of Zagreb 1990: Head of the Department of Pavement Structures, Department of Roads, IGH 1991: Visiting Professor at the Universität der Bundeswehr München, Faculty of Bauingenieur- und Vermessungswesen (Department: Traffic and Road Planning). Researcher at the Institute for Traffic Sciences and Spatial Planning, University of the Armed Forces of the Federal Republic of Germany in Munich (Faculty of Forestry and Vermessungswesen, Institut für Verkehrswesen und Raumplanung) 1992-2008: Head of the Department of Pavement Structures, Department of Roads IGH 1996-2015: Participation in COST projects (Actions): COST 333, COST 336, COST 343, COST 351, COST 353, COST 354, COST TU0702, COST TU1304 (COST = European Cooperation in Science and Technology), Brussels 1997-2007: FEHRL Research Coordinator (FEHRL = Forum of European Highway Research Laboratories) , Croatian Representative 1998-2002 Full Professor at the Faculty of Civil Engineering, Josip Juraj Strossmayer University of Osijek 2000-2008: Full professor at the Faculty of Civil Engineering, University of Zagreb (Education at Graduate and Postgraduate study) 2000-2008: COST Domain Committee Transport and Urban Development, Brussels (Croatian representative in TUD) 2001-2005: Visiting Professor at the Faculty of Civil Engineering, University of Rijeka (Courses: Roads-Pavement Structures, Road Maintenance and Rehabilitation) 2008-2013: Croatian Institute of Civil Engineering IGH, Zagreb 2005-2013: Full professor at the Faculty of Civil Engineering, University of Rijeka (Courses: Pavement structures; Road maintenance and rehabilitation; Pavement management). 2015: Emeritus professor of the University of Rijeka
List of papers published in scientific journals	<ul style="list-style-type: none"> ➤ Sršen, M. (1977): Značenje primjene modelskog istraživanja u projektiranju kolničkih konstrukcija cesta. Građevinar 29 (1977) 11, 435-447. ➤ Sršen, M. (1979): Istraživanje odnosa između defleksija i strukturnog ponašanja kolničkih konstrukcija u lokalnim uvjetima-prvi rezultati. Građevinar 4 (1979) 31, 174-181. ➤ Sršen, M., Keller, M., Vračević, M. (1984): Raspodjela temperature u asfaltnim slojevima i njen utjecaj na deformacijsko ponašanje kolničke konstrukcije. Građevinar 36 (1984) (Supplement 9), 163-170 (pretisak rada). ➤ Sršen, M. (1991): Planiranje i gospodarenje u održavanju cesta. Građevinar 43 (1991) 4, 185-191.

	<ul style="list-style-type: none"> ➤ Sršen, M. (1992): Istraživanje HDM-III modela za održavanje cesta, Građevinar 44 (1992) 12, 765-776 ➤ Sršen M. (1992), Das HDM-III Modell (Highway Design and Maintenance Standards Model) - Untersuchung zur Übertragbarkeit auf mitteleuropäische Verhältnisse, Strasse und Autobahn 43, Nr. 11, S 732-739. ➤ Sršen M. (1993), Das HDM-III Modell und seine Bedeutung für das Management der Strassenerhaltung, Die Asphaltstrasse 3/93, S. 14-20. ➤ Sršen M., Osiguranje kvalitete građenja i održavanja asfaltnih kolnika, Građevinar 3 (46), Zagreb, 1994, 179-186. ➤ Sršen M., Čaklović A., Utjecaj normizacije na razvitak gospodarenja cestovnim kolnicima, Građevinar 8 (46), Zagreb, 1994, 455-462. ➤ Sršen M., Ramljak Z., Palković B., Ladika J., Turčić N., Ocjenjivanje stanja cestovne mreže, Građevinar 1 (48), Zagreb, 1996, 17-24 ➤ Sršen, M. (1997): Sudjelovanje Hrvatske u europskim COST projektima (akcijama) za ceste. Građevinar 49 (1997) 6, 333-342 (prikaz međunarodnih znanstvenih projekata). ➤ Sršen, M. (1999): Mjerenje i rangiranje stanja kolnika-važna sastavnica informatičkog sustava o cestama. Suvremeni promet 19 (1999) 1-2, 166-173 (pretsak rada). ➤ Babić B., Prager A., Rukavina T., Palković B., Sršen M., Tomljanović Z., Studija kolničkih konstrukcija za autoceste, Građevinar 4 (52), Zagreb, 2000, 217-227. ➤ Sršen, M., Kršić, I., Domandžić, D. (2002): Gospodarenje cestama primjenom HDM-4 modela, Građevinar 54 (2002) 1, 21-28 ➤ Sršen, M. (2002): Environmental Impacts of Road Traffic and Mitigation Measures. Modern Traffic, Vol. 22 (2002): Special Issue (50-59). ➤ Sršen, M. (2002): Automatski analizator cesta-ARAN. Građevinar 54 (2002) 5, 275-283. ➤ Sršen, M. (2003): Kolničke konstrukcije dugog vijeka trajanja. Suvremeni promet, Vol. 23, No. 6, 420-424. ➤ Sršen M., Kovačić M., Kaučić D., Određivanje dubine smržavanja tla ispod kolničke konstrukcije Građevinar 56 (2004) 3, 145-154. ➤ Sršen M., Znanstveno istraživanje o gospodarenju cestama i mostovima u mađarskom institutu za transportne znanosti, Suvremeni promet, godište 25, br. 3-4, Zagreb 2005, 210-214 (Scientific Research on Road and Bridge Management at the Hungarian Institute for Transport Sciences) (prethodno priopćenje). ➤ Sršen M., Znanstveno istraživanje o gospodarenju cestama i mostovima u mađarskom institutu za transportne znanosti, Suvremeni promet, godište 25, br. 3-4, Zagreb 2005, 210-214 (Scientific Research on Road and Bridge Management at the Hungarian Institute for Transport Sciences) (prethodno priopćenje). ➤ Sršen M., Redoviti godišnji sastanak Odbora direktora FEHRL-a, Građevinar 57 (2005) 7, 565-568 (Rubrika: Kongresi i skupovi). ➤ Šimun, M., Sršen, M., Ravnost kolničkih zastora na građevinama cestovne infrastrukture, Građevinar 59 /2007/5, 395-405. ➤ Sršen M., Inteligentni transportni sustavi u upravljanju cestovnom mrežom, Suvremeni promet, God. 28 /2008/ Br. 1-2 /141-152/ Zagreb, siječanj/travanj 2008, ISSN 0351-1898. Izdavač: Hrvatsko znanstveno društvo za promet - HZDP, Zagreb ➤ Sršen, M., Majkić, M., Orkić, M., Hladno recikliranje asfaltnih kolnika, Građevinar 62 (2010) 6, 507- 515. ➤ Sršen, M., Vrkljan, M., Integracija podataka za potrebe gospodarenja cestovnom infrastrukturom / Data Integration for Needs of Road Infrastructure Management/, Transport i transportna infrastruktura-TTI, Broj 1, Godina 4, Sarajevo april/travanj 2010, ISSN 1840-2801, str. 6-20.
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<p>Leader of the following research projects</p>	<ul style="list-style-type: none"> ➤ 1975 – 1979 Chief Researcher for several studies of road infrastructure in cities (underground installations and crossings, typical pavement structures for city streets, bearing capacity of road pavements in cities, etc.). ➤ 1981 – 1987 Leader of the project for systematic monitoring of road network's condition (evenness measurement, adhesion, deflection), and for the long and short term planning of maintenance and rehabilitation of major roads in Croatia, Slovenia and Bosnia and Herzegovina. ➤ 1981 – 1987 Chief Researcher on the research project about temperature variations in asphalt pavements and their impact on pavement deformation (Researchers from the Netherlands, India and Poland have shown interest for the results of this research
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	<p>project).</p> <ul style="list-style-type: none"> ➤ 1984 – 1985 Temperature variations in asphalt pavements and impact of these variations on deformation and performance of pavement structure. ➤ 1988-1990 Methodology of pavement condition assessment in needs of road maintenance. How to diagnosis damage of asphalt pavement structure? National Road Authority. ➤ 1991 – 1993 Chief Researcher on the research project focusing on the development and implementation of an appropriate road maintenance and operation system in the Republic of Croatia. ➤ 1991 – 1993 Chief Researcher on the research project realized at the Universität der Bundeswehr München and focusing on possibilities of using the World Bank's HDM system (Highway Design and Maintenance Standards Model) for determining investment that is needed for road maintenance under conditions prevailing in Central European countries. ➤ 1994 - 1995 Noise of road traffic as a problem of an environmental protection. Ministry of Science and Technology (Project No. 2-11-405) ➤ 1994 - 1995 Study on road classification in the Republic of Croatia (coordinator in IGH and member of the study team). ➤ 1996 – 2003 Chief Researcher during realization of research projects initiated by the former SIZ and present day Ministry of Science and Technology of the Republic of Croatia "Road traffic noise as an environmental protection problem" and "System for managing road-maintenance activities". ➤ 1996 – 2003 Chief researcher during the study of an air freezing index for national roads and mitigations of freezing effect on pavements. National Road Authority.
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<p>Participant in the following research projects</p>	<ul style="list-style-type: none"> ➤ 2001 - Transport, Welfare and Economic Development in South Eastern Europe – A Pilot Project – Final Report, Institute of Transport Economics (TOI), Oslo, Norway, 148 pages (Special issue). ➤ COST 333: Development of New Bituminous Pavement Design Method, Final Report of the Action, European Commission, Directorate General Transport, Brussels, End of Action: 1999, 375 pages (Publications: ISBN 92-828-6796-X-EUR 18906) (Participation in MC and WG). ➤ COST 336: Use of Falling Weight Deflectometers in Pavement Evaluation, European Commission, Directorate General for Energy and Transport, Brussels, End of Action: 1999 (http://www.cordis.lu/cost-transport/src/cost-336.htm)(Participation in MC and WG). ➤ COST 343: Reduction in Road Closures by Improved Pavement Maintenance Procedures, European Commission, Directorate General for Energy and Transport, Brussels, End of Action: 2003, http://www.cordis.lu/cost-transport/src/cost-343.htm (Participation in MC and WG). ➤ COST 351: Water Movement in Road Pavements and Embankments–Final Report. ESF-European Science Foundation, COST Office, End of Action: 2007, www.cost.esf.org (Participation in MC and WG). ➤ COST 353: New Development for Winter Service on European Roads - Final Report ESF-European Science Foundation, COST Office, End of Action: 2008. ISBN 978-3-937295-88-6 /214 pages/, www.cost.esf.org (Rapporteur: Prof Mate Srsen (HR)). ➤ COST 354: Performance Indicators for Road Pavements–Final Report. ESF-European Scientific Foundation. COST Office, End of Action: 2008, www.cost.esf.org (Participation in MC and WG). ➤ COST TU0702: Real-time Monitoring, Surveillance and Control of Road Networks under Adverse Weather Conditions, COST Office, www.cost.esf.org/tud (Rapporteur: Prof Mate Srsen (HR)), End of Action: 2012. ➤ COST TU1304: Wind Energy Technology Reconsideration to Enhance the Concept of Smart Cities, COST Office, 2015, (Participation in MC and WG).
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Supervision of MSc theses	1
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Supervision of PhD theses	2
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Examination of MSc theses	5
Examination of PhD theses	1