






PERSONAL INFORMATION

Snežana Ćirić-Kostić



 Dositejeva 19,36000 Kraljevo, Serbia
 +381 36 383 380  +381 64 893 88 26
 cirickostic.s@mfkv.kg.ac.rs
 <http://www.3dimpuls.com/en/page/people>
<http://www.mfkv.kg.ac.rs/index.php/docenti/5-osoblje/predavaci/72-dr-snezana-ciric-kostic>

Sex Female | Date of birth 10/02/1967 | Nationality Serbia

WORK EXPERIENCE

2010-present

Assistant Professor in Machine Design

Faculty of Mechanical and Civil Engineering Kraljevo, Dositejeva 19, 36000 Kraljevo, Serbia

- Department for General Mechanical Design and Materials Technology,
- subjects: Machine Design, Mechanical Drawing, Machine Elements I, Machine Elements II, Development and Design of Machines, Digital Technologies for Rapid Product Design, Noise and Vibration

1991-2010

Teaching Assistant

Faculty of Mechanical and Civil Engineering Kraljevo, Dositejeva 19, 36000 Kraljevo, Serbia

EDUCATION AND TRAINING

23.2.2010.

Doctor of Technical Sciences

EQF Level 8

Faculty of Mechanical Engineering Kraljevo, University of Kragujevac

- Research into the Influence of Modal Behaviour of the Housing on Acoustic Emission of Mechanical Power Transmission Units
(Mechanical Engineering, Machine Design, Machinery vibrations and noise)

1990-1994

Magister of Technical Sciences

EQF Level 7

Faculty of Mechanical Engineering, University of Belgrade

- Research of deformations of flange joints by applying of numerical methods
(General Mechanical Design)

1985-1990

Mechanical Engineer

EQF Level 6

Faculty of Mechanical Engineering - Kraljevo, University of Belgrade

PERSONAL SKILLS

Mother tongue(s) Serbian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2
Russian	A1	A1	A1	A1	A1
Bulgarian	B2	B2	A2	A2	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- good skills in speaking, developed through experience as a teacher
- good skills in listening, developed as a member of project teams
- good nonverbal skills, developed through experience as a teacher
- good conflict resolution skills, developed as project manager

Organisational / managerial skills Replace with your organisational / managerial skills. Specify in what context they were acquired.
Example:

- leadership (currently responsible for a team of 5 people)
- project planning (project leader in one complex research project)
- resource planning (project leader and workpackage leader in research projects)

Job-related skills

- excellent in developing several successful international and national project proposals
- experience in institution development through establishment of research centers and laboratories
- experienced in work in multi-cultural environment gained in international project teams

Computer skills

- Proficient in use of Microsoft Office package and project management tool Microsoft Project;
- Familiar with Windows operating systems;
- Proficient in I-deas, Solid Works, ANSYS

Other skills

- Sports-oriented: former active competitor in ballet and dance, skiing.

Driving licence

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 ADDITIONAL INFORMATION

Publications

Papers published in journals

- Ćirić-Kostić, S.: Application of Additive Manufacturing in Automotive Industry, Mechanics, Transport, Communications, Volume 12, Iss.3/2, 2014, Article 1018, pp. XI_1-7
- Soskic, Z., Tomic, J., Bogojevic, N., Ćirić-Kostić, S.: Influence of Heavy Data Transmission Losses on Spectra of Signals, Applied Mechanics and Materials, Vol.430, 2013, pp. 125-134, doi: 10.4028/www.scientific.net/AMM.430.125
- Ognjanovic, M., Ćirić Kostić, S.: Gear Unit Housing Effect on the Noise Generation Caused by Gear Teeth Impacts, Strojniški vestnik – Journal of Mechanical Engineering, 58 (2012) 5, pp 327-337. ISSN 0039-2480 DOI:10.5545/sv-jme.2010.232
- Minak, G., Ćirić-Kostić, S., Soskic, Z., Radovic, N.: „Equivalent Stiffness as Measure of Low Velocity Impact Damage of Complex Composite Structures“, Facta Universitatis, Series: Mechanical Engineering, Vol.10, No2, 2012, pp. 91-104
- Bogojević, N., Ćirić Kostić, S., Vranić, A., Šoškić, Z.: Calculation of bandwidth of a transducer for lateral force acting in wheelsets of railway vehicles, "Mechanics, Transport, Communications", Issue 3, Article No. 0576, 2011, pp.VI-13
- Pavlovic, A., Fragassa, C., Radovani, A., Ćirić-Kostić, S.: Design and Optimisation of Mechanical Solutions for High Speed Components in Packing Machines, Mechanics Transport Communications, Issue 3, 2009., Article No. 0461, pp. IX-44-IX-49
- Ćirić Kostić, S., Ognjanovic M.: The Noise Structure of Gear Transmission Units and Role of Gearbox Walls, FME Transactions, Vol. 35, No.2, 2007, pp.105-112
- Ćirić-Kostić, S., Ognjanović, M.: Excitation of the Modal Vibration in Gear Housing Walls, FME Transaction, Vol. 34, No 1, 2006. pp. 21-28
- Ognjanović, M., Ćirić-Kostić, S.: Effect of Gear Housing Modal Behaviour at the Noise Emission, VDI-BERICHT, Vol.1904, Num. 2, Germany, 2005., pp.1767-1772,
- Josifović, D., Marković, S., Ćirić, R., Ćirić Kostić, S.: Ispitivanje rezervoara za transport tečnosti u brdsko-planinskim područjima, Traktori i pogonske mašine, Vol.10 (2), 2005., str. 199-205
- Ognjanović, M., Ćirić-Kostić, S.: Lokalna ojačanja i oštećenja kućišta pod pritiskom, Procesna tehnika 2-3/1998, 1998., str. 87-90
- Ognjanović, M., Ćirić-Kostić, S.: The specific Aspect of the Sealing Process of the Immobile Surfaces at High Operating Pressures, Transactions, Vol. XXV, No 1, July 1996., pp. 1-8

Papers published on international conferences

- Croccolo, D., De Agostini, M., Fini, S., Olmi, G., Ćirić-Kostić, S., Vranić, A.: "Influence of the Growth Angle on the Fatigue Strength of EOS Maraging Steel Produced by Additive Metal Machine", 6th International Conference on Mechanics and Materials in Design "Recent Advances in Mechanics and Materials in Design", Ponta Delgada/Azores, 26-30 July 2015, paper ref: 5552
- Vranić, A., Todić, N., Ćirić-Kostić, S.: "Influence of Design Parameters on Modal Behaviour of Sandwich Panels", Proceedings of the 24th International Conference Noise and Vibration, Niš, Serbia, 2014, pp.129-134
- Vranić, A., Ćirić-Kostić, S., Tatić, B.: "Influence of Sub-Structures' Shape on Vibration Behaviour of Sandwich Walls", Proceedings of the VIII International Conference Heavy Machinery – HM 2014, Kraljevo, Serbia, 2014, pp. E17-22
- Poods, E., Vranić, A., Ćirić-Kostić, S., Soskic, Z.: „Method for Control 3D Scanned Turbine Blade in Accordance with the Alignment of Coordinate Planes“, Proceedings of 35th International Conference on Production Engineering, 25. - 28. September 2013, Kraljevo, Serbia, pp.229-234
- Minak, G., Pantović, S., Bogojević, N., Ćirić-Kostić, S.: "Influence of a Building Parameters of the Accuracy of the Shape and Dimension of Parts Produced by SLS", Proceedings of 35th International Conference on Production Engineering, 2013., Kraljevo, Serbia, pp.313-316
- Ćirić-Kostić, S., Ognjanović M., Vranić A.: Influence of structural parameters and excitation on modal behaviour of gearbox housings, - Proceedings of the 7th International symposium machine and industrial design in mechanical engineering, - KOD-2012, Balatonfüred, Hungary, pp 375-380
- Ćirić-Kostić S., Soskic, Z., Pavlović, A., Minak., G.: Low Velocity Impact On A Complex Composite Structure, Proceedings of 29th Danubia-Adria-Symposium on Advances in Experimental Mechanics, Belgrade, Serbia, 2012, pp 270-273
- Ognjanovic, M., Pavlovic, A., Ćirić-Kostić, S., Fragassa, C.: Design and Application of Gear Wear Accelerated Testing Device with Reverse Motion, Proceedings of the International Automotive Conference with Exhibition "XXIII Science and Motor Vehicles 2011", pp. NMV11AETT04 - 1/6 to 6/6, Beograd, Serbia, 2011.
- Soskic, Z., Petrovic, Z., Radicevic, B., Ćirić-Kostić, S.: Spectral Analysis of Machine Vibrations in

- Conditions of Heavy Data Transmission Losses, Proceedings of the International Symposium AVMS'2011-Timișoara, pp. 55-62, 2011.
- Minak., G., Soskic, Z., Ćirić-Kostic, S., Fragassa, C.: Analysis of an Automatic Wrapping Machine: Numerical Models and Experimental Results, Proceedings of the 7th International Conference Research and Development of Mechanical Elements and Systems, pp. 69-76, Zlatibor, Serbia, 2011.
 - Ćirić Kostic, S., Ognjanovic, M., Vranic, A: Effect of Design Parameters to Modal Behaviour of Gear Unit Housings, Proceedings of the VII International Conference Heavy Machinery – HM 2011, pp. 61-67, Kraljevo, Serbia, 2011. (ISBN 978-86-82631-58-3)
 - Soskic, Z., Ćirić-Kostic, S., Bogojevic, N., Radovani, A.: Determination of working regime during experimental investigations of rotational machines, Proceedings of the VII International Conference Heavy Machinery – HM 2011, pp. 75-80, Kraljevo, Serbia, 2011.
 - Nedić, N., Petrović, D., Pršić, D., Đapić, M., Ćirić-Kostic, S., Lukić, Lj: International Science and Technical Cooperation of the Faculty of Mechanical Engineering in Kraljevo, Proceedings of the VII International Conference Heavy Machinery – HM 2011, pp. 31-40, Kraljevo, Serbia, 2011
 - Ćirić Kostić, S., Ognjanović, M.: Vibration and Noise Generation in Gear Units, International Conference on Gears, VDI-Berichte 2108.1, Technical University of Munich, pp. 281-292, Garching (near Munich) Germany, 2010
 - Ćirić-Kostić, S., Ognjanović, M.: Natural Vibration of Gearbox Housing caused by Gear Teeth impacts, Proceedings of the 3rd International Conference "Power Transmission '09", pp. 383-390, Chalkidiki- Greece, 2009
 - Ćirić-Kostić S., Ognjanović M.: Dynamic excitation of transmission units by teeth collision - Proceedings of the 7th Youth Symposium on Experimental Solid Mechanics, Wojciezyce, Poljska, 2008, CD paper 6, pp 1-4
 - Ćirić-Kostić S., Ognjanović M.: Restorable free vibrations caused by gear teeth impacts, Proceedings of the VI International Triennial Conference Heavy Machinery – HM'08, Kraljevo 2008, pp E.5-E.9.
 - Ognjanovic M., Ćirić-Kostic S.: Reliability, Vibration and Noise as Constraints in Machine Systems Development, - Proceedings of the 1st Symposium on Multidisciplinary Studies of Design in Mechanical Engineering, Bertinoro-Italy 2008, pp 25-26
 - Ćirić Kostic, S., Ognjanovic M.: The Noise Structure Testing of Gearboxes, Proceeding of the International 6th Youth Symposium on Experimental Solid Mechanics, pp. 5-8, Vrnjacka Banja- Serbia, 2007,
 - Ćirić-Kostić, S., Ognjanović, M.: Gear Disturbance Energy Transmission through the Gear System and Frequency Spektrum, Proceedings of the 2nd International Conference "Power Transmission 2006", pp. 167-172, Novi Sad- Serbia & Montenegro, 2006,
 - Ćirić-Kostić, S., Ognjanović, M.: Gear Disturbance Energy Transmission through the Gear Transmitters, Proceedings of the 5th Youth Symposium on Experimental Solid Mechanics, Puchov-Slovakia, 2006,
 - Ćirić Kostic, S., Ognjanovic M.: The Noise Structure Testing of Power Transmission Units, Proceeding of the XVIII International Conference on Material Handling, Constructions and Logistics, pp.267-272, Belgrade- Serbia, 2006
 - Marković, S., Tanasijević, S., Jovičić, S., Ćirić-Kostić, S.: Damages of the Combustion Engine Bodies and Their Regeneration, Proceedings of the 7th Conference of Inovative Automotive Technology- IAT'05, 303-308, Bled-Slovenia, 2005,
 - Ćirić-Kostić, S.: Modal Displacement Excitation in Gear Housing Walls, Proceedings of the 4th Youth Symposium on Experimental Solid Mechanics, 143-144, Castrocaro Terme-Italy, 2005,
 - Ognjanović, M., Ćirić-Kostić, S.: Gear Housing Modal Behaviour and Noise Emission, Proceedings of the International Symposium "Heavy Machinery - HM/05", F.49.-F52., Kraljevo, 2005,
 - Ćirić-Kostić, S., Ognjanović, M.: Nature and Mechanism of Modal Displacement Excitation in Gear Housing Walls, - Proceedings of the International conference "Power Transmissions '03", 77-81, Varna-Bulgaria, 2003
 - Ćirić-Kostić, S., Ognjanović, M.: Propagation of Disturbing Energy Trough the Housing Walls Gearbox, - Proceedings of the International Symposium "Heavy Machinery - HM/02", F.49.-F52., Kraljevo, 2002
 - Ćirić-Kostić, S., Ognjanović, M.: Energy of Natural Oscillation of Gearbox Housing Walls, Proceedings of The Third International Congress " Mechanical engineering Technologies'01 – MT'01, Sofia-Bulgaria, 2001,
 - Josifović, D., Ćirić-Kostić, S., Marković, S.: Technical and Economic Justification Offacing of Regeneration of Damaged Gear Teeth, - Proceedings of The Third International Congress " Mechanical engineering Technologies'01 – MT'01, C-III-58, Sofia-Bulgaria, 2001
 - Ćirić-Kostić, S., Ognjanović, M.: Vibrations of Pressure Accumulator due to Interaction between Walls and Fluid, International Symposium "Heavy Machinery-HM/99", pp. 7.31-7.36, Kraljevo, 1999

- Ognjanović, M., Ćirić-Kostić, S.: The Effect of the Frequency and Damping Features of the Engine Block Onto the Acoustic Emission, XVI International Conference Science and Motor Vehicles, pp.133-136, Belgrade, 1997,
- Ognjanović, M., Ćirić-Kostić, S.: Selection of Flange Joint on the Basis of Criterion of Elasticity, International Symposium "Machines and Mechanisms", Belgrade, pp. 252-255, 1997

Papers published on national conferences

- Ćirić Kostić, S., Golubović Bugarski, V., Ognjanović M.,: Eksperimentalna verifikacija strukture buke prenosnika, Zbornik radova sa konferencije IRMES-06, Banja Luka-Republika Srpska, pp. 275-280, 2006
- Marković, S., Ćirić-Kostić, S.: Vademekum kvaliteta u menadžmentu, - Zbornik radova sa 32. Nacionalne konferencije o kvalitetu – Festival kvaliteta 2005, B25-B31, Kragujevac, 2005
- Ćirić-Kostić, S., Ognjanović, M.: Gear reducer housing modal features and effect on accoustic emmision, - Zbornik radova sa međunarodnog naučno-stručnog skupa "IRMES'02", 517-522., Jahorina, 2002
- Ćirić-Kostić, S., Ognjanović, M.: Gear reducer housing modal features and effect on accoustic emmision, - Zbornik radova sa međunarodnog naučno-stručnog skupa "IRMES'02", 517-522., Jahorina, 2002
- Ognjanović, M., Ćirić-Kostić, S.: Uticaj kućišta na emisiju vibracija i buke zupčastog prenosnika, - Zbornik radova sa naučno-stručnog skupa "Istraživanje i razvoj mašinskih elemenata i sistema - IRMES 2000", 291-296, Kotor, 2000.,
- Marković, S., Ćirić-Kostić, S.: Regeneracija mašinskih elemenata navarivanjem, - Zbornik radova sa 28. savetovanja proizvodnog mašinstva Jugoslavije, 7.49-7.55, Kraljevo, 2000
- Ćirić-Kostić, S., Ognjanović, M.: Efekti zavarenih ojačanja na koncentraciju napona u spojevima zidova sudova pod pritiskom, Zbornik radova sa naučno-stručnog skupa "Istraživanje i razvoj mašinskih elemenata i sistema - IRMES'98", str. 145-150, Beograd, 1998
- Kostić, S.: Parametarsko modeliranje familije prirubnih spojeva, Zbornik radova sa 22. Jupiter konferencije, str. 2.37-2.42, Beograd, 1996,
- Ognjanović, M., Ćirić-Kostić, S.: Modeliranje u procesu razvoja kućišta pod pritiskom, Zbornik radova sa međunarodnog naučno-stručnog skupa "Teška mašinogradnja-TM/96", str. 7.45-7.50, Kraljevo, 1996
- Nauparac, D., Kostić, S.: Analiza krutosti mehaničke veze dva hidraulična cilindra radi postizanja sinhronog kretanja, Zbornik radova sa 21. Jupiter konferencije, str.3.51-3.56, Beograd, 1995,
- Ognjanović, M., Ćirić-Kostić, S.: Analiza krutosti prirubnog spoja primenom MKE, - Zbornik radova sa naučno-stručnog skupa "Istraživanje i razvoj mašinskih elemenata i sistema - IRMES'95", str. 129-134, Niš, 1995
- Kostić, S., Nauparac, D.: Jedan pristup rešavanju problema vođenja i tačnog pozicioniranja sa primenom numeričkih metoda, Zbornik radova sa 20. Jupiter konferencije, str. 83-88, Beograd, 1994
- Kostić, S., Nauparac, D.: Projektovanje robusnih cilindarskih obrtnih hidromotora sa analizom praktičnih problema u eksploataciji, Zbornik radova sa međunarodnog naučno-stručnog skupa "Teška mašinogradnja-TM/93", str. 244-249, Kruševac-Vrnjačka Banja, 1993
- Buljak, V., Kostić, S., Strujić, D.: Matematički model funkcije habanja klipova hidromotora metodom statističkog modeliranja, Zbornik radova sa 18. Jupiter konferencije, str. 70-76, Kopaonik, 1992

Projects

International projects

- *CEPUS* project CIII-HR-0108-00-1314: : “Concurrent Product and Technology Development - Teaching, Research and Implementation of Joint Programs Oriented in Production and Industrial Engineering”, : Project leader: prof. dr Zlatan Car, Faculty of Engineering, Department of Production Engineering, University of Rijeka, 2013-2014
- *RSEDP2* project “IMPuls - Innovation Management for new Products”, Faculty of Mechanical Engineering Kraljevo, University of Kragujevac, 2011-2013, *Project manager*;
- *FP-7* project „SeRViCe - Strengthening Railway Vehicles Centre of Faculty of Mechanical Engineering Kraljevo“ Project leader Rakanovic, R, Faculty of Mechanical Engineering Kraljevo, University of Kragujevac, 2008-2011, *Manager of workpackage* WP1;
- *TEMPUS* project JEP-40069-2005, Multidisciplinary Studies of Design in Mechanical Engineering, Technical University of Braunschweig, University of Erlangen-Nurnberg, University of Bologna, University of Belgrade-Faculty of Mechanical, Engineering, University of Kragujevac-Faculty of Mechanical Engineering Kraljevo, University of Arts-Faculty of Applied Arts Belgrade, 2005-2007, *Team leader* for Faculty of Mechanical Engineering Kraljevo team;

National projects

- ImPossible Design - Competition for the best design solution and prototyping of young designers”, Project of Centre for the Promotion of Science, Faculty of Mechanical and Civil Engineering in Kraljevo, City of Kraljevo, 2013, *Project manager*;
- “Digital technologies for rapid product development” Project of Centre for the Promotion of Science, 2012, *Project manager*;
- "Sustainability and improvement of machine systems in power production and transport by application of forensic engineering, eco- and robust design", Project of technological development of Ministry of Science of Republic of Serbia No. TR 035006, 2011-2015.
- "Development of high-performance machinery and methods for identification of their response to internal and external disturbances" Project of technological development of Ministry of Science of Republic of Serbia No. TP-14052, 2008-2011.
- Development of methods and models for research of phenomena and mechanisms in processes for improvement of machine systems efficiency, Project of fundamental investigations of Ministry of Science of Republic of Serbia No. 11M04, 1996 - 2000.
- Improvement of performances of driving systems of rotary excavators, Project of technological development of Ministry of Science of Republic of Serbia No. TP-6368B, 2005-2007.
- Design and development of concurrent families of regal warehouses with light structures, Project of technological development of Ministry of Science of Republic of Serbia No. MIS.3.03.0094.A, 2002-2003.

Presentations

- “How possible inPossible”, held at exhibition “InPossible Design”, 11.3.2014, Gallery of Serbian Academy of Science (SANU), Belgrade (Serbia)
- “Basic Concepts, Applications and Possibilities of Additive Manufacturing Technologies”, International Symposium KEIT 2012, , Mechanics, Transport, Communications, Keynote lecture, Bansko (Bulgaria)
- “Excitation of the Modal Vibration in Gear Housing Walls ”, 2.6.2004, Mathematical Institute SANU, Belgrade (Serbia)

Conferences

International conferences

- 6th International Conference on Mechanics and Materials in Design “Recent Advances in Mechanics and Materials in Design”, Ponta Delgada/Azores, 26-30 July 2015
- VIII International Conference "Heavy Machinery - HM 2014", Zlatibor 25-27 June 2014
- 35th International Conference on Production Engineering, Kraljevo, Serbia, 2013
- 29th Danubia-Adria-Symposium on Advances in Experimental Mechanics, Belgrade, Serbia, 2012
- The 23rd National and 4th International Conference Noise and Vibrations, Niš 17-19.10.2012
- 7th International symposium machine and industrial design in mechanical engineering, - KOD-2012, Balatonfured, Hungary, 2012
- The Seventh International Triennial Conference "Heavy Machinery-HM 2011", Vrnjačka Banja, June 29th – July 2nd 2011
- The 7th International Scientific Conference "Research and Development of Mechanical Elements and Systems", 27th&28th of April 2011, Zlatibor, Serbia
- XXIII International Automotive Conference with Exhibition "Science and Motor Vehicles 2011", 19-21 of April 2011, Belgrade, Serbia
- International Conference on Gears, VDI-Berichte 2108.1, Technical University of Munich, Garching (near Munich) Germany, 2010
- the 3rd International Conference "Power Transmission '09", Chalkidiki- Greece, 2009

- 7th Youth Symposium on Experimental Solid Mechanics, Wojciezyce, Poljska, 2008,
- The Sixth International Triennial Conference "Heavy Machinery 2008", Kraljevo, 24-29 June 2008.
- 5th Youth Symposium on Experimental Solid Mechanics, Puchov-Slovakia, 2006
- XVI mehdunarodna nauchna konferencija "Transport 2006", 9-10. noemvri 2006, Sofia (Bulgaria)
- International Conference on Gears- VDI – EKV Berichte Nr.1904, Garching near Munich, Germany, 2005
- 4th Youth Symposium on Experimental Solid Mechanics, Castrocaro Terme-Italy, 2005
- XV mehdunarodna nauchna konferencija "Transport 2005", 10-11 noemvri 2005, Sofia (Bulgaria),
- The Fifth International Conference Heavy Machinery HM 2005, Kraljevo, 28 June-3 July, 2005.
- 7th Conference of Inovative Automotive Technology- IAT'05, Bled-Slovenia, 2005
- XIV mehdunarodna nauchna konferencija "Transport 2004", 11-12 noemvri 2004, Sofia (Bulgaria),
- XIII mehdunarodna nauchna konferencija "Transport 2003", 13-14 noemvri 2003. Sofia (Bulgaria)
- XII mehdunarodna nauchna konferencija "Transport 2002", 14-15 noemvri 2002, Sofia (Bulgaria)
- The Fourth International Conference Heavy Machinery HM 2002, Kraljevo, 28 30 June 2002
- The Third International Congress " Mechanical engineering Technologies'01 – MT'01, Sofia-Bulgaria, 2001
- The Third International Conference Heavy Machinery HM 99, Kraljevo, 27 30 October 1999

National conferences

- XIII skup "Trendovi razvoja -TREND 2007", Kopaonik 5-8. mart 2007.

Seminars

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Memberships

- Member of Serbian ADEKO (Association for design, elements and construction)