

STROJNIŠTVO - RAZVOJNO RAZISKOVALNI PROGRAM (1000501) MAGISTRSKI, DRUGA STOPNJA

Aditivne tehnologije (0566843)

Nosilci: Damjan Klobčar, Edvard Govekar

1. I. Gibson, D. W. Rosen, B. Stucker: Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing, Springer New York Heidelberg Dordrecht London, 2010, [COBISS.SI-ID [1542256351](#)],
2. John I. Milewski Additive Manufacturing of Metals From Fundamental Technology to Rocket Nozzles, Medical Implants and Custom Jewelry, Springer series in material sciences, 2017, [COBISS.SI-ID [39330821](#)]
3. O. Diegel, A. Nordin, D. Motte: A Practical Guide to Design for Additive Manufacturing, Springer series in Advanced Manufacturing, 2020, [COBISS.SI-ID [40356357](#)].
4. Milan Brandt: Laser Additive Manufacturing: Materials, Design, Technologies, and Applications, (e-knjiga) 2017, http://nukweb.nuk.uni-lj.si/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=e000xww&AN=1144615&lang=s&site=ehost-live&ebv=EB&ppid=pp_Cover

Analiza konstrukcij z MKE (0566898)

Nosilci: Miroslav Halilović, Nikolaj Mole

1. O.C. Zienkiewicz, R.L. Taylor, D.D. Fox: The Finite Element Method for Solid and Structural Mechanics, Elsevier, 2006. [COBISS.SI-ID [10942486](#)]
2. S.S. Rao: The Finite Element Method in Engineering, Elsevier, 2011. [COBISS.SI-ID [11983387](#)]
3. J.N. Reddy: An Introduction to the Finite Element Method, McGraw-Hill, third ed., 199 [COBISS.SI-ID [758299](#)]
4. N. Mole: Računalniška analiza konstrukcij : dodatno študijsko gradivo za predavanja, FS-ULJ, 2018. [COBISS.SI-ID [15884059](#)]
5. B. Starman, J. Urevc: Računalniška analiza konstrukcij – dodatno študijsko gradivo za vaje, FS, 2019. [COBISS.SI-ID [16998427](#)]
6. M. A. Crisfield: Non-linear finite element analysis of solids and structures, John Wiley & Sons, 1991. [COBISS.SI-ID [204315](#)]

Avtomatizacija proizvodnje (0566823)

Nosilci: Drago Bračun

1. Automation, Production systems, and Computer-Integrated manufacturing, Mikell P. Groover, Pearson Prentice Hall, 2008 [COBISS.SI-ID [146606595](#)]
2. Handbook of intelligent sensors for industrial automation, Addison-Wesley, [COBISS.SI-ID [68180](#)]
3. Robotics, Vision and Control; Peter Corke, Springer, Berlin, Heidelberg 2011 [COBISS.SI-ID [15787291](#)]
4. Digital Image Processing using Matlab, Rafael C. Gonzalez, Pearson Prentice Hall, 2009 [COBISS.SI-ID [11630875](#)]

CAM sistemi (0566842)

Nosilci: Franci Pušavec, Peter Krajnik

1. G. Boothroyd, P. Dewhurst, in W. A. Knight, Product design for manufacture and assembly, 3rd ed., let. 74. Boca Raton; London; New York: CRC Press, 2011, str. XXXVIII, 670. ISBN 978-1-4200-8927-1, [COBISS.SI-ID [11685403](#)]

2. Z. Bi in X. Wang, Computer aided design and manufacturing. Hoboken, NJ; [New York, New York]: John Wiley & Sons, Inc.; ASME Press, 2020, str. XXI, 18 f., 617. ISBN 978-1-119-53421-1, [COBISS.SI-ID [44464899](#)]
3. Handbook of manufacturing industries in the world economy. Cheltenham: Edward Elgar Publishing, 2015, str. XVII, 519. ISBN 978-1-78100-392-3, [COBISS.SI-ID [15869979](#)]
4. J. Novak Marcinčin, I. Kuric, T. Mikac, in B. Barišič, Computer support for improvement of engineering and manufacturing activities. Košice: Faculty of Manufacturing Technologies, 2009, str. 241. ISBN 978-953-6326-63-1, [COBISS.SI-ID [14028059](#)]
5. J. Kopač, Obdelovalni stroji, orodja in naprave: modulna gradnja obdelovalnih strojev. Ljubljana: Fakulteta za strojništvo, 2005, str. 224. ISBN 961-6238-99-X, [COBISS.SI-ID [222746880](#)]
6. F. Pušavec in J. Kopač, Učno gradivo za predmet CAM: študijski program Strojništvo - razvojno raziskovalni program (RRP): študijska smer Proizvodno strojništvo: skripta predavanj. Ljubljana: Fakulteta za strojništvo, 2012, str. 175. [COBISS.SI-ID [12423707](#)]

Dinamika strojev in konstrukcij (0566899)

Nosilci: Gregor Čepon, Miha Boltežar

1. Boltežar Miha: *Mehanska nihanja - 1.del (2. popravljena izdaja)*, Fakulteta za strojništvo, Ljubljana, 2010 [COBISS.SI-ID [253726720](#)]
2. Rao, S.S.: Mechanical vibrations.- 5rd ed.- Reading etc. : Addison-Wesley Publishing Company, cop. 2011, [COBISS.SI-ID [138737667](#)]
3. N. M. M. Maia, J. M. M. Silva: Theoretical and Experimental Modal Analysis, Research Studies Press, 1997, [COBISS.SI-ID [11736603](#)]
4. Craig, R., Kurdila, A. Fundamentals of Structural Dynamics (Wiley, 2006), [COBISS.SI-ID [9717787](#)]

Diskretni krmilni sistemi (0566814)

Nosilci: Primož Podržaj

1. M. Sami Fadali: Digital Control Engineering: Analysis and Design, Academic Press, 2009, [COBISS.SI-ID [1540002783](#)] e-knjiga
2. Alan V. Oppenheim: Signals and Systems , Prentice Hall, 1983, [COBISS.SI-ID [747291](#)]
3. Katsuhiko Ogata: Discrete-Time Control Systems (2nd Ed.), Pearson, 1995, [COBISS.SI-ID [18158853](#)]

Eksperimentalna modalna analiza (0566905)

Nosilci: Gregor Čepon, Janko Slavič

1. Boltežar, M.: *Mehanska nihanja - 1.del (2. popravljena izdaja)*, Fakulteta za strojništvo, Ljubljana, 2010, [COBISS.SI-ID [226716160](#)]
2. Rao, S. S.: Mechanical vibrations.- 5th ed Reading etc. : Addison-Wesley Publishing Company, cop. 2011, [COBISS.SI-ID [138737667](#)]
3. Rao, J. S.: Dynamics of plates.- New York; Basel; Hong Kong: M. Dekker; New Delhi etc. : Narosa, cop. 1999, [COBISS.SI-ID [3548443](#)]
4. N. M. M. Maia, J. M. M. Silva: Theoretical and Experimental Modal Analysis, Research Studies Press, 1997, [COBISS.SI-ID [11736603](#)]

Eksperimentalno modeliranje v EPS (0566850)

Nosilci: Marko Hočevar, Matevž Dular

1. Liu, A. ; Wang, Y. ; Wang, X., Data-driven engineering design, Springer, [COBISS.SI-ID [90525443](#)], 2022.
2. H. T. Tran and H. Thomas Banks, Mathematical and Experimental Modeling of Physical and Biological Processes, Boca Raton : CRC Press, [COBISS.SI-ID [12051739](#)], 2009.

Elektromobilnost (0566863)

Nosilci: Tomaž Katrašnik

1. R O'hayre, SW Cha, W Colella, FB Prinz: Fuel cell fundamentals. John Wiley & Sons, 2016, [COBISS.SI-ID [15504667](#)]
2. Mench, M.M. Fuel cell engines. Wiley, 2008, [COBISS.SI-ID [23203111](#)]
3. Guzzella L, Sciarretta A.: Vehicle Propulsion Systems - Introduction to Modeling and Optimization, 2nd ed., Springer, 2007, ISBN 978-3-540-74691-1, [COBISS.SI-ID [11212571](#)]

Energetika v krožnem gospodarstvu (0566864)

Nosilci: Mihael Sekavčnik, Tine Seljak, Tomaž Katrašnik

1. Hall, Charles A. S.: Energy return on investment : a unifying principle for biology, economics, and sustainability, Cham : Springer, cop. 2017, [COBISS.SI-ID [16292891](#)]
2. Singh, Lakhveer: Waste to sustainable energy : MFCs – prospects through prognosis, CRC Press, Taylor & Francis, 2021, [COBISS.SI-ID [120066819](#)]
3. Hauschild, Michael Z.: Life cycle assessment : theory and practice, Springer, cop. 2018, [COBISS.SI-ID [39782405](#)]
4. A. Bejan, Entropy generation minimization : the method of thermodynamic optimization of finite-size systems and finite-time processes, CRC, 1996, ISBN - 0-8493-9651-4, [COBISS.SI-ID [1486619](#)]
5. A. Bejan, Advanced engineering thermodynamics, J. Wiley & Sons, 2006, ISBN - 0-471-67763-9; 978-0-471-67763-5, [COBISS.SI-ID [9714459](#)]

Energetski sistemi (0566852)

Nosilci: Mihael Sekavčnik

1. Tuma M., Sekavčnik M.: Energetski sistemi, preskrba z električno energijo in toploto, Univerza v Ljubljani, Fakulteta za strojništvo, 2004, [COBISS.SI-ID [128026880](#)]
2. Jeffs, Eric J.: Generating power at high efficiency : combined-cycle technology for sustainable energy production, Cambridge, CRC Press, 2008, [COBISS.SI-ID [1024001628](#)]
3. [2] R. Bachmann, H. Nielsen, J. Warner, R. Kehlhofer: Combined - Cycle Gas & Steam Turbine Power Plants, Penn Well, 1999, [COBISS.SI-ID [5046299](#)]
4. [2] L. Drbal, K. Westra, P. Boston: Power Plant Engineering, Champman & Hall, 1996 [COBISS.SI-ID 2077974]
5. [3] J. Larminie, A. Dicks: Fuel Cell Systems Explained, John Willey & Sons, 20013, [COBISS.SI-ID [4471323](#)]
6. Keyhani, Ali: Design of smart power grid renewable energy systems, Hoboken : Wiley, cop. 2011, [COBISS.SI-ID [35281157](#)]

Fotonika in laserski izvori (0566816)

Nosilci: Rok Petkovšek, Vid Agrež

1. M. Čopič, M. Vilfan, "Fotonika", Fakulteta za matematiko in fiziko, 2020, [COBISS.SI-ID [34035203](#)]
2. V. Degiorgio, I. Christiani, "Photonics, A Short course", Springer, 2016, [COBISS.SI-ID [16741147](#)]
3. B. E. A. Saleh in M. C. Teich, "Fundamentals of photonics -Pt.1", Wiley, 2019, [COBISS.SI-ID [40119557](#)]
4. B. E. A. Saleh in M. C. Teich, "Fundamentals of photonics – Pt.2", Wiley, 2019, [COBISS.SI-ID [40119813](#)]
5. H.J. Eichler, J. Eichler, O. Lux, "Lasers : basics, advances and applications", Springer, 2018, [COBISS.SI-ID [135009027](#)]
6. D. Đonlagić in M. Završnik, "Fotonika : uvodna poglavja", Fakulteta za elektrotehniko, računalništvo in informatiko, 1971, [COBISS.SI-ID [40372481](#)]

Geometrijske specifikacije proizvodov (0566879)

Nosilci: Robert Kunc, Samo Zupan

Osnovna:

1. ZUPAN, Samo, KUNC, Robert, ŽEROVNIK Andrej. Geometrijske specifikacije proizvodov (GSP). Gradivo za spremljanje predavanj. UL FS 2023, [COBISS.SI-ID [173161219](#)]
2. ZUPAN, Samo, KUNC, Robert. Geometrijske specifikacije proizvodov (GSP). Gradivo za spremljanje vaj. UL FS 2023. [COBISS.SI-ID [173162243](#)]
3. PREBIL, Ivan, ZUPAN, Samo. Tehnična dokumentacija. 2. izd. Ljubljana: Stri svetovanje, 2011. [COBISS.SI-ID [259015680](#)]

Dodatna:

1. Henrik S. Nielsen, The ISO Geometrical Product Specifications Handbook, ISO/Danish Standards 2012, ISBN: 978-87-7310-721-8 (print), ISBN: 978-87-7310-722-5 (pdf), [COBISS.SI-ID [173355011](#)]
2. Stefano Tornincasa, Technical Drawing for Product Design, Mastering ISO GPS and ASME GD&T, 1st ed. 2021, Springer, ISBN 978-3-030-60853-8, e-ISBN 978-3-030-60854-5, [COBISS.SI-ID [136059395](#)]
3. Georg Henzold, Geometrical Dimensioning and Tolerancing for Design, Manufacturing and Inspection: A Handbook for Geometrical Product Specification Using ISO and ASME Standards, 3rd Ed., 484 Pages, BH 2020, ISBN-10: 0-323-85327-7, ISBN-13: 978-0-323-85327-9, [COBISS.SI-ID: [53445891](#)]

Hidravlične komponente in sistemi (0566883)

Nosilci: Franc Majdič

1. Matthies, H.J.: Renius, K.T.: Einführung in die Ölhdraulik, Teubner Verlag, 2003. [COBISS.SI-ID [8701211](#)]
2. D. Findeisen, F. Findeisen, Ölhdraulik: Handbuch für die hydrostatische Leistungsübertragung in der Fluidtechnik, 4. Auflage, Springer Verlag, 1994 [COBISS.SI-ID [1020187](#)]
3. Pezdirnik J., Majdič F. Krmiljene črpalke in hidravlični motorji ter hidrostatični pogoni : seminarsko gradivo. Ljubljana: Fakulteta za strojništvo, 2006. [COBISS.SI-ID [9562651](#)]
4. J. L. Johnson: Basic electronics for hydraulic motion control, Penton Publishing Inc., 1992 [COBISS.SI-ID [4845851](#)]

Hladilna tehnika in toplotne črpalke - MAG (0566921)

Nosilci: Andrej Kitanovski

1. Poredoš, Alojz; Kitanovski, Andrej; Vidrih, Boris; Poredoš Primož. Heat pumps for heating and cooling, 2018 [COBISS.SI-ID [294536960](#)]
2. Hundy, Guy; Trott, A. R.; Welch, T. C. Refrigeration and air conditioning, Boston : Butterworth Heinemann, 2008 [COBISS.SI-ID [10656539](#)]
3. Dincer, Ibrahim. Refrigeration systems and applications, 2003, [COBISS.SI-ID [25297669](#)]
4. ASHRAE handbook : refrigeration, 2010 [COBISS.SI-ID [15736347](#)]
5. Whitman, William C. Refrigeration & air conditioning technology, Delmar Cengage Learning, 2009 [COBISS.SI-ID [11380507](#)]

Inženiring površin in kontaktov (0566872)

Nosilci: Mitjan Kalin

1. K.L. Johnson: Contact mechanics, Cambridge University Press, 1985 [COBISS.SI-ID [1746454](#)]
2. I. Iliuc: Tribology of thin layers, Elsevier, 1980 [COBISS.SI-ID [358939](#)]
3. F.W. Bach, A. Laarmann, T. Wenz: Modern Surface Technology, Wiley-vch, 2006 [COBISS.SI-ID [9642779](#)]
4. K. Holmberg: Coatings Tribology, Elsevier, 2009 [COBISS.SI-ID [10979099](#)]

Inženirstvo kakovosti (0566841)

Nosilci: Davorin Kramar

1. BRAČUN, Drago, KRAMAR, Davorin. Dodatno učno gradivo pri predmetu Načrtovanje in obvladovanje kakovosti : MAG 1. letnik : magistrski študijski program druge stopnje Strojništvo - Razvojno raziskovalni program. Ljubljana: Univerza v Ljubljani, Fakulteta za strojništvo, 2021. [COBISS.SI-ID [64542467](#)]
2. ENIKO, Peter, KRAMAR, Davorin. Physical model of the quality policy : chapter 3. V: ŠIBALIJA, Tatjana (ur.). A closer look at loss function, (Mathematics Research Developments). New York: Nova Science Publishers. cop. 2020 [COBISS.SI-ID [17113371](#)]
3. R. Basu: Implementing Quality – A Practical Guide to Tools and Techniques, Thomson Learning, London, 2004, [COBISS.SI-ID [7672603](#)]
4. T. Pyzdek: The Six Sigma handbook : a complete guide for green belts, black belts, and managers at all levels; [COBISS.SI-ID [7334171](#)]

Kemični nosilci energije (0566858)

Nosilci: Andrej Senegačnik

1. A.H. Lefebvre, D.R. Ballal, Gas turbine combustion : alternative fuels and emissions, 3rd ed. CRC press, 2010, ISBN - 978-1-4200-8604-1, [COBISS.SI-ID [11708699](#)]
2. K. Schofield, Combustion emissions : formation, reaction, and removal of trace metals in combustion products, Academic Press, 2020, ISBN - 978-0-12-819126-2, [COBISS.SI-ID [147985923](#)]
3. R. Pavletič, Zgorevanje : teoretične osnove, goriva, inženirska uporaba, Fakulteta za strojništvo, 1996, ISBN - 86-7217-126-8, [COBISS.SI-ID [1426459](#)]
4. K.M. Bryden, et.al. Combustion engineering, 3rd ed., CRC Press, 2022, ISBN - 978-1-138-06538-3; 978-1-032-24688-8; 978-1-315-15972-0, [COBISS.SI-ID [147336451](#)]
5. D.A. Tillman, N.S. Harding, Fuels of opportunity : characteristics and uses in combustion systems, Elsevier, 2004, ISBN - 0-08-044162-9, [COBISS.SI-ID [26042373](#)]
6. J. Warnatz, U. Mass, R.W. Dibble, Combustion : physical and chemical fundamentals, modeling and simulation, experiments, pollutant formation, 3rd ed., Springer, 2001, ISBN - 3-540-67751-8, [COBISS.SI-ID [23305989](#)]

Klimatizacija, ogrevanje, ohlajevanje, prezračevanje (0566919)

Nosilci: Uroš Stritih

1. Recknagel, H. ; Sprenger, E. ; Hönnmann, W. Recknagel: Taschenbuch für Heizung und Klimatechnik : einschließlich Warmwasser- und Kältetechnik, München ; Wien : R. Oldenbourg, 1995, [COBISS.SI-ID [1518107](#)]
2. B. Labudović: Priročnik za ogrevanje, Energetika Marketing, 2006 [COBISS.SI-ID [229592832](#)]
3. B. Labudović: Priručnik za ventilacijo i klimatizacijo, Energetika Marketing, 2000, [COBISS.SI-ID [5391894](#)]
4. ASHRAE Pocket Guide for heating, refrigeration, ventilation, air-conditioning, 1993, [COBISS.SI-ID [12926235](#)]
5. ASHRAE Handbook — HVAC Applications, 2011 [COBISS.SI-ID [15736091](#)]
6. ASHRAE Handbook — Refrigeration, 2010 [COBISS.SI-ID [15736347](#)]
7. ASHRAE Handbook — Fundamentals, 2009 [COBISS.SI-ID [11003675](#)]
8. ASHRAE Handbook — HVAC Systems and Equipment, 2008 [COBISS.SI-ID [15736603](#)]

Konstruiranje naprednih sistemov (0566873)

Nosilci: Jernej Klemenc, Marko Nagode

1. Snovanje izdelkov z vidika zanesljivosti - Nagode, Marko ; Oman, Simon, 1979- ; Šeruga, Domen [COBISS.SI-ID [104685315](#)]

2. An introduction to reliability and maintainability engineering - Ebeling, Charles E. [COBISS.SI-ID [11713819](#)]
3. Reliability and risk assessment - Andrews, J. D. ; Moss, T. R. [COBISS.SI-ID [858139](#)]

Konstruktivske tehnike (0566871)

Nosilci: Leon Kos, Nikola Vukašinović

1. K.T. Ulrich and S.D. Eppinger, Product Design and Development, 7th edition, Irwin McGraw-Hill, 2020
2. E. B. Magrab, S.K. Gupta, F.P. McCluskey, P. A. Sandborn, Integrated Product and Process Design and Development, The Product Realization Process, CRC Press, Taylor & Francis Group [COBISS.SI-ID [11296795](#)]
3. G. Pahl, W. Beitz, J. Feldhusen, K.H. Grote, (2007), Engineering design, A Systematic Approach, Third Edition, Springer [COBISS.SI-ID [1391899](#)]
4. M. M. Andreasen, Integrated Product Development, Technical University of Denmark, 2000 [COBISS.SI-ID [642843](#)]
5. Jože Hlebanja, Metodika konstruiranja, Fakulteta za strojništvo, UL, Ljubljana 2003 [COBISS.SI-ID [123009024](#)]
6. K. Ehrlenspiel, A. Kiewert, U. Lindemann, M. S. Hundal, Cost-Efficient Design, 5th Edition, Springer, 2007 [COBISS.SI-ID [10068763](#)]

Lahke konstrukcije (0566885)

Nosilci: Boris Jerman

1. PAIK, Jeom Kee: Ultimate limit state design of steel-plated structures / Jeom Kee Paik, Anil Kumar Thayamballi. - Chichester, cop. 2003 [COBISS.SI-ID [5597723](#)]
2. SIST EN 1993-1-6:2007: Evrokod 3: Projektiranje jeklenih konstrukcij - 1-6. del: Trdnost in stabilnost lupinastih konstrukcij. Prosto dostopno na spletu
3. SIST EN 1999-1-5:2007: Evrokod 9: Projektiranje konstrukcij iz aluminijevih zlitin - 1-5. del: Lupinaste konstrukcije. Prosto dostopno na spletu
4. GESCHWEISSTE Aluminium Konstruktionen / hrsg. von Dimitrios Kostas. - Braunschweig, 1978 [COBISS.SI-ID [4790789](#)]
5. ALUMINIUM structural analysis : recent European advances : a collection of papers on aspects of research and design in structural aluminium with particular reference to the needs of a future European code of practice / edited by P.S. Bulson. - London ; New York, 1992 [COBISS.SI-ID [13348613](#)]
6. HERAKOVICH, Carl T.: Mechanics of fibrous composites / Carl T. Herakovich. - New York [etc.], cop. 1998 [COBISS.SI-ID [2597659](#)]

Laserska obdelovalna tehnologija (0566821)

Nosilci: Matija Jezeršek, Peter Gregorčič

1. W.M. Steen, Laser Material Processing (4th Edition), Springer Verlag, 2010, [COBISS.SI-ID [11579419](#)]
2. E. Kannatey-Asibu, Principles of laser materials processing, John Wiley & Sons, 2009. [COBISS.SI-ID [11303451](#)]
3. Dieter Schwoecker, High Power Lasers in Production Engineering, Imperial College Press, 1999. [COBISS.SI-ID [3776539](#)]

Laserski merilni sistemi (0566820)

Nosilci: Matija Jezeršek

1. Gasvik K.J. Optical metrology, 3rd ed. Chichester: John Wiley & Sons, 2002. [COBISS.SI-ID [11175195](#)]
2. Malacara, Optical Shop Testing, 3rd ed., Wiley, 2007. [COBISS.SI-ID [11174427](#)]

3. Toru Yoshizawa, Handbook of Optical Metrology: Principles and Applications, CRC Press, 2009. [COBISS.SI-ID [11174683](#)]

Laserski sistemi (0566815)

Nosilci: Matija Jezeršek

1. E. Kannatey-Asibu, Principles of Laser Materials Processing, Wiley, 2009. [COBISS.SI-ID [11303451](#)]
2. Malacara, Optical Shop Testing, 3rd ed., Wiley, 2007. [COBISS.SI-ID [11174427](#)]
3. J. Hecht: Understanding Lasers: An Entry-Level Guide, 3rd. ed., Wiley-IEEE Press; 2008. [COBISS.SI-ID [10614811](#)]

Mehanika konstrukcijskih elementov (0566894)

Nosilci: Miroslav Halilović

1. L. H. Donnell: Beams, Plates, and Shells, McGraw-Hill, 1976. [COBISS.SI-ID [102427](#)]
2. S. P. Timošenko, S. Vojnovski-Kriger: Teorija ploča i ljuski, Građevinska knjiga, 196 [COBISS.SI-ID [10174213](#)]
3. J. Urevc, B. Starman: Mehanika konstrukcij – dodatno študijsko gradivo za vaje, FS-ULJ, 2019. [COBISS.SI-ID [16997659](#)]
4. E. Prelog: Mehanika konstrukcij, FS-ULJ, 1974 [COBISS.SI-ID [493334](#)]
5. Analysis of shells, plates, and beams, Springer, 2020. [COBISS.SI-ID [18436099](#)] e-knjiga

Mehanika lahkih struktur (0566904)

Nosilci: Miha Brojan

1. I.M. Daniel, I. Ori: Engineering mechanics of composite materials, Oxford University Press, 2006 [COBISS.SI-ID [8966427](#)]
2. R.F. Gibson: Principles of composite material mechanics, CRC Press, 2007 [COBISS.SI-ID [741215](#)]
3. J.S. Arora: Introduction to optimum design, Elsevier, 2004 [COBISS.SI-ID [26084101](#)]
4. K. Kumar, D. Zindani, J.P. Davim: Optimizing engineering problems through heuristic techniques, CRC Press, Taylor & Francis, 2020 [COBISS.SI-ID [17397763](#)]
5. Z.P. Bazant, L. Cedolin: Stability of Structures: Elastic, Inelastic, Fracture, and Damage Theories, WSPC, 1991 [COBISS.SI-ID [630043](#)]
6. G.J. Simitses, D.H. Hodges: Fundamentals of structural stability, Elsevier/Butterworth-Heinemann, 2006 [COBISS.SI-ID [11903771](#)]

Mikroizdelovalne tehnologije (0566829)

Nosilci: Joško Valentinčič

1. M. Madou: Fundamentals of Microfabrication and Nanotechnology, 3rd edition, CRC Press, 2012 [COBISS.SI-ID [46< ; 456 ;](#)]
2. Yi Qin: Micromanufacturing Engineering and Technology, William Andrew Publishing, 2010. E-knjiga ISBN - 0-8155-1545-6; 0-8155-1980-X; 9786612711763; 1-282-71176-8; 0-08-094740-9
3. V.K. Jain: Introduction to Micromachining, Alpha Science, 2010. [COBISS.SI-ID [33734917](#)]
4. G. Tosselo: Micro injection molding, Carl Hanser Verlag GmbH & Co. KG, 2019. [COBISS.SI-ID [146819075](#)]
5. Gibson, Ian idr.: Additive manufacturing technologies : 3D printing, rapid prototyping and direct digital manufacturing, New York : Springer, 2015. [COBISS.SI-ID [13909019](#)]

Mikroprocesorska krmilja (0566808)

Nosilci: Dominik Kozjek

1. Valvano J. Embedded Systems: Real-Time Operating Systems for Arm Cortex M Microcontrollers – 2nd edition. CreateSpace Independent Publishing Platform, 2012. [COBISS.SI-ID [10282068](#)]
2. Monk S. Programming FPGAs: Getting Started with Verilog – 1st edition. McGraw-Hill Education TAB, 2016. [COBISS.SI-ID [11741780](#)]
3. Puhan, J., & Tuma, T. (2007). Uvod v mikrokrmilniške sisteme: zgradba in programiranje. Fakulteta za elektrotehniko. [COBISS.SI-ID [231485440](#)]

Montažni in strežni sistemi (0566836)

Nosilci: Marko Šimic, Mihael Debevec, Niko Herakovič

1. Liker, Jeffrey K.: The Toyota way : 14 management principles from the world's greatest manufacturer, 2nd ed., New York [etc.] : McGraw Hill, cop. 2021, [COBISS.SI-ID [67462403](#)].
2. Boothroyd, Geoffrey: Assembly automation and product design, 2nd ed., Boca Raton, FL : Taylor & Francis/CRC Press, 2005, [COBISS.SI-ID [26842117](#)].
3. Myerson, Paul: Lean supply chain and logistics management, priročnik ; neleposlovje za odrasle, New York : McGraw-Hill, 2012, [COBISS.SI-ID [2349411](#)].
4. Groover, Mikell P.: Automation, production systems, and computer-integrated manufacturing, neleposlovje za odrasle, 5th ed., New York (NY): Pearson, cop. 2019, [COBISS.SI-ID [146606595](#)].
5. Khojasteh, Yacob: Production control systems : A Guide to enhance performance of pull production systems, Tokyo [etc.] : Springer, 2016, [COBISS.SI-ID [14331675](#)].
6. Kalpakjian, Serop: Manufacturing engineering and technology, Addison-Wesley, cop. 1995, [COBISS.SI-ID [1455131](#)].

Nanotehnologije (0566878)

Nosilci: Mitjan Kalin

1. L.Theodore: Nanotechnology - Basic Calculatuions for Engineers and Scientists, Wiley-Interscience, 2006 [COBISS.SI-ID - [27757573](#)]
2. B. Rogers, J. Adams, S. Pennathur: Nanotechnology - Understanding small systems, CRC Press, 2008 [COBISS.SI-ID - [21440039](#)].
3. B. Bhushan (Ed): Handbook of Nanotechnology, Springer, 2007 [COBISS.SI-ID - [1724004](#)].

Napredni odrezovalni procesi (0566830)

Nosilci: Davorin Kramar, Franci Pušavec

1. Energy efficient manufacturing: theory and applications. Hoboken (NJ); Beverly (MA): Wiley; Scrivener Publishing, 2018, str. XIV, 45 ISBN 978-1-118-42384-4, [COBISS.SI-ID [158647811](#)]
2. Modern manufacturing processes. Hoboken (NJ): Wiley, 2020, str. XXI, 514. ISBN 978-1-118-07192-2, [COBISS.SI-ID [149649411](#)]
3. M. P. Groover, Fundamentals of modern manufacturing: materials, processes, and systems, 7th ed. Hoboken (NJ): John Wiley & Sons, 2020, str. XIV, 703, 71, 14. ISBN 978-1-119-72201-4, [COBISS.SI-ID [146641667](#)]
4. G. Globočki-Lakić, D. Kramar, in J. Kopač, Metal cutting: theory and applications. Banja Luka; Ljubljana: Faculty of Mechanical Engineering; Faculty of Mechanical Engineering, 2014, str. XIII, 221. ISBN 978-99938-39-49-1, [COBISS.SI-ID [277173760](#)]
5. J. Kopač, Odrezavanje: teoretične osnove in tehnološki napotki. Ljubljana [i. e.] Domžale: [samozal.] J. Kopač, 2008, str. 264. ISBN 978-961-245-583-5, [COBISS.SI-ID [241209856](#)]
6. F. Pušavec in J. Kopač, Trajnostni razvoj obdelovalnih procesov = Sustainable development of manufacturing processes. Ljubljana: Fakulteta za strojništvo, 2010, str. 1 zv. [COBISS.SI-ID [11388187](#)]

Napredni preoblikovalni procesi (0566835)

Nosilci: Tomaž Pepelnjak

1. Hosford, W. F., & Caddell, R. M. (2007). Metal forming: mechanics and metallurgy (3rd ed., str. XIII, 312). Cambridge University Press. <http://www.loc.gov/catdir/toc/ecip0712/2007008558.html>, [COBISS.SI-ID [10256923](#)]
2. Montgomery, D. C. (2005). Design and analysis of experiments (6th ed., str. XV, 643). J. Wiley & Sons., [COBISS.SI-ID [1495462](#)]
3. Injection molding handbook (str. XVII, 748). (2002). C. Hanser Verlag; Hanser Gardner Publications., [COBISS.SI-ID [4936475](#)]
4. Goligranc, F. (1991). Preoblikovanje (str. Zv. <1-2>). Fakulteta za strojništvo., [COBISS.SI-ID [24041728](#)]
5. Kampuš, Z., & Kuzman, K. (2016). Priporočila preoblikovanja (2. izd., str. IV, 78). Fakulteta za strojništvo., [COBISS.SI-ID [283051776](#)]

Napredni procesi zgorevanja (0566851)

Nosilci: Andrej Senegačnik, Tine Seljak, Tomaž Katrašnik

1. J. Warnatz, U. Mass, R.W. Dibble, Combustion : physical and chemical fundamentals, modeling and simulation, experiments, pollutant formation, 3rd ed., Springer, 2001, ISBN - 3-540-67751-8, [COBISS.SI-ID [23305989](#)]
2. D.A. Tillman, N.S. Harding, Fuels of opportunity : characteristics and uses in combustion systems,
3. R. Pavletič, Zgorevanje : teoretične osnove, goriva, inženirska uporaba, Fakulteta za strojništvo, 1996, ISBN - 86-7217-126-8, [COBISS.SI-ID [1426459](#)]
4. K.M. Bryden, et.al. Combustion engineering, 3rd ed., CRC Press, 2022, ISBN - 978-1-138-06538-3; 978-1-032-24688-8; 978-1-315-15972-0, [COBISS.SI-ID [147336451](#)]

Napredni senzorski sistemi in omrežja (0566822)

Nosilci: Primož Podržaj

1. Peter Corke: Robotics, vision and control : fundamental algorithms in MATLAB, Springer, [COBISS.SI-ID [15787291](#)]
2. Ali Zilouchian: Intelligent Control Systems Using Soft Computing Methodologies, CRC Press, 2001, [COBISS.SI-ID [4805659](#)]
3. Martin T. Hagan, Howard B. Demuth, Mark Hudson Beale: Neural network design, 1995, [COBISS.SI-ID [10855707](#)]
4. Andrew Tanenbaum: Computer networks - 4th edition. Prentice Hall, 2008, [COBISS.SI-ID [11023131](#)]

Numerično modeliranje tehnoloških procesov (0566907)

Nosilci: Bojan Starman, Miroslav Halilović, Nikolaj Mole

1. C.H. Gur, J. Pan: Handbook of Thermal Process Modeling of Steels, CRC Press, 2009. [COBISS.SI-ID [720298](#)]
2. S. Kobayashi, S. Oh, T. Altan: Metal Forming and the Finite-Element Method, Oxford Univ. Press, 1989. [COBISS.SI-ID [716310](#)]
3. T. Osswald: Injection Molding Handbook, C. Hanser Verlag, 2002. [COBISS.SI-ID [4936475](#)]
4. A. Sawczuk: Mechanics and plasticity of structures, John Wiley & Sons, 1989. [COBISS.SI-ID [1376005](#)]

Obratovalna trdnost (0566877)

Nosilci: Domen Šeruga, Jernej Klemenc, Marko Nagode

1. Mechanical behavior of materials : engineering methods for deformation, fracture, and fatigue - Dowling, Norman E. ; Kampe, Stephen L. ; Kral, Milo V [COBISS.SI-ID [52374787](#)]

2. Fatigue and fracture mechanics of high risk parts : application of LEFM & FMDM theory - Farahmand, Bahram ; Bockrath, George ; Glassco, James [COBISS.SI-ID [18108677](#)]
3. Mechanical behavior of materials : engineering methods for deformation, fracture, and fatigue - Dowling, Norman E. [COBISS.SI-ID [12600859](#)]
4. Mechanics of solid materials - Lemaître, Jean, 1934- ; Chaboche, Jean-Louis [COBISS.SI-ID [6898715](#)]

Pametna mesta (0566927)

Nosilci: Andrej Kitanovski, Sašo Medved

1. Medved, S., Domjan, S., Arkar, C. Sustainable technologies for nearly zero energy buildings : design and evaluation methods. Springer Nature Switzerland AG, 2019 [COBISS.SI-ID [16490011](#)]
2. Lenz, B., Schreiber, J., Stark, T. Sustainable buildings services : Principles, systems, concepts. Detail Green Books, München, 2011 [COBISS.SI-ID [5313633](#)]
3. Harvey, Leslie D. D. A handbook on low-energy buildings and district-energy systems : fundamentals, techniques and examples, VA: Earthscan, 2006 [COBISS.SI-ID [28146181](#)]
4. Kreith, Frank; Goswami, Yogi D. Handbook of energy efficiency and renewable energy, CRC Press, 2007 [COBISS.SI-ID [10353947](#)]
5. Rufer, Alfred. Energy storage : systems and components, New York: CRC Press, Taylor & Francis, 2018 [COBISS.SI-ID [39610117](#)]
6. Houbing, Song. Smart cities: foundations, principles, and applications. Hoboken: J. Wiley, 2017 [COBISS.SI-ID [39272453](#)]

Pametne tovarne (0566844)

Nosilci: Marko Šimic, Miha Pipan, Niko Heraković

1. Gao, Vincent: Smart manufacturing principles and applications, knjiga, [S. l.: V. Gao], cop. 2021, [COBISS.SI-ID [146626819](#)].
2. Accialini, Nicola: Introduction to the smart factory: and practical tips for its implementation, neleposlovje za odrasle, [S. l.: N. Accialini], cop. 2021, [COBISS.SI-ID [146615043](#)].
3. Groover, Mikell P.: Fundamentals of modern manufacturing: materials, processes, and systems, neleposlovje za odrasle, 7th ed., Hoboken (NJ) : John Wiley & Sons, cop. 2020, [COBISS.SI-ID [146641667](#)].
4. Soloman, Sabrie: Sensors and control systems in manufacturing, priročnik, New York [etc.]: McGraw-Hill, 1994, [COBISS.SI-ID [843291](#)].
5. Abdi, M. Reza: Integrated reconfigurable manufacturing systems and smart value chain: Sustainable infrastructure for the factory of the future, pregledna monografija; neleposlovje za odrasle, Springer, 2018, [COBISS.SI-ID [16110619](#)].
6. Hopkinson, N.: Rapid manufacturing: an industrial revolution for the digital age, neleposlovje za odrasle, Chichester, England; Hoboken, NJ: John Wiley, cop. 2006, [COBISS.SI-ID [11614258](#)].

Planiranje in organizacija proizvodnje (0566837)

Nosilci: Tomaž Berlec

1. Slack N., Brandon-Jones A., Johnston R.: Operations Management, Pearson, UK, 2013, [COBISS.SI-ID [11605020](#)].
2. Wiendahl H. P., Reichart J., Nyhuis P.: Handbook Factory Planning and Design. Springer Verlag, Berlin, Heidelberg, 2015, [COBISS.SI-ID [14386459](#)].
3. Arnold J.R. Tony, Chapman N. Stephen, Clive M. Loyd: Introduction to materials management (6 ed.), Pearson Prentice Hall, Upper Sadle River, New Jersey, 2008, [COBISS.SI-ID [11175963](#)].
4. Abdi M.R., Labib A.W., Edalat F.D., Abdi A.: Integrated Reconfigurable Manufacturing Systems and Smart Value Chain, Sustainable Infrastructure for the factory of the Future. Springer International Publishing Ag, Cham Switzerland, 2018, [COBISS.SI-ID [16110619](#)].
5. Akhtar, Jawad: Production planning and control with SAP ERP, 2016, [COBISS.SI-ID [15131163](#)].

Prenosniki toplote (0566925)

Nosilci: Andrej Kitanovski, Iztok Golobič, Jaka Tušek, Jože Kutin

1. Tropea, C., Yarin, A.L., Foss, J.F. (ur.): Springer handbook of experimental fluid mechanics. Springer, 2007 [COBISS.SI-ID [29032965](#)]
2. VDI Gesellschaft, VDI Heat Atlas. 2nd Edition, Springer, 1993 [COBISS.SI-ID [1398555](#)].
3. Baker, R. C.: Flow measurement handbook: industrial designs, operating principles, performance, and applications. Cambridge University Press, 2000 [COBISS.SI-ID [3809307](#)]
4. Donatello Annaratone, Handbook for Heat Exchangers and Tube Banks design, 2010 [COBISS.SI-ID [1542724319](#)]

Procesi v toplotnih motorjih (0566857)

Nosilci: Tomaž Katrašnik

1. Heywood, J.B.: Internal combustion engine fundamentals, McGraw-Hill, N.York, 1988, ISBN 0-07-028637-X, [COBISS.SI-ID [14910720](#)]
2. Pavletič, R.: Motorji z notranjim zgorevanjem, UL, Fakulteta za strojništvo, Ljubljana, 2000, ISBN 961-6238-41-8, [COBISS.SI-ID [107660544](#)]
3. Taylor, C.F.: The Internal combustion engine in theory and practice, Vol.1 – thermodynamics, fluid flow, performance, The MIT Pres, Massachusetts, 1986, ISBN 0-262-20051-1, [COBISS.SI-ID [646171](#)]

Procesiranje signalov (0566900)

Nosilci: Janko Slavič

1. Shin K, Hammond J: Fundamentals of Signal Processing for Sound and Vibration Engineers, 2008. [COBISS.SI-ID [10797595](#)]
2. Braun S: Discover Signal Processing: An Interactive Guide for Engineers, 2008. [COBISS.SI-ID [6763348](#)]
3. Newland DE: An Introduction to Random Vibrations, Spectral & Wavelet Analysis, 3rd Ed, 2005. [COBISS.SI-ID [3552795](#)]

Procesna tehnika (0566926)

Nosilci: Iztok Golobič, Matevž Zupančič

1. Seader, J.D, Henley, E.J., Roper, D.K., Separation Process Principles with Applications Using Process Simulators, 4th Edition, Wiley, 2006. [COBISS.SI-ID [27675653](#)]
2. [Green](#) D.W., Southard, M. Z., Perry's Chemical Engineers' Handbook, 9th Edition, McGraw-Hill Education; 2018. [COBISS.SI-ID [367880](#)]
3. Ullmann's Process and Process Engineering, Vol. 1, 2, 3, Wiley – VCH Verlag, Weinheim, 2004- [COBISS.SI-ID [25817861](#)]
4. Basmadjian D., Mass Transfer and Separation Processes, 2nd Edition, CRC Press, 2007. [COBISS.SI-ID [28708357](#)]
5. Kirk-Othmer separation technology. 2nd ed., Wiley, 2008, 2 zv., <http://www.loc.gov/catdir/enhancements/fy0827/2007039328-t.html>. [COBISS.SI-ID [10862875](#)]

Programski algoritmi in protokoli (0566810)

Nosilci: Dominik Kozjek

1. Bjarne Stroustrup: The C++ Programming Language, Addison-Wesley, 2000 [COBISS.SI-ID [7992370](#)]
2. Bjarne Stroustrup: A Tour of C++, Addison-Wesley, 2015 [COBISS.SI-ID [37925381](#)]
3. Stanley B. Lippman, Josee Lajoie, Barbara E. Moo: C++ Primer, Addison-Wesley, 2013 [COBISS.SI-ID [513575543](#)]
4. *Goodrich, Michael T. ; Tamassia, Roberto ; Mount, David M. : Data Structures and Algorithms in C++, Wiley, 2024* [COBISS.SI-ID [3534932](#)]

5. Jon Kleinberg, Eva Tardos: Algorithm Design, Addison-Wesley, 2006[COBISS.SI-ID [26825221](#)]

Računalniška dinamika tekočin (0566920)

Nosilci: Boštjan Mavrič, Božidar Šarler

1. F. Moukalled, L. Mangani, M. Darwish, The Finite Volume Method in Computational Fluid Dynamics: An Advanced Introduction with OpenFOAM and Matlab, Springer Verlag, Cham, 2016. ISBN - 978-3-319-16873-9, [COBISS.SI-ID [16741403](#)]
2. H. K. Versteeg, W. Malalasekera, An Introduction to Computational Fluid Dynamics, The Finite Volume Method, 2nd Edition, Pearson, Harlow, 2007. ISBN - 0-582-21884-5, [COBISS.SI-ID [279547](#)]
3. G.R. Liu, Mesh Free Methods: Moving Beyond Finite Element Method, CRC Press, Boca Raton, 2nd Edition, 2003. ISBN - 0-8493-1238-8, [COBISS.SI-ID [418537](#)]

Reologija polimerov (0566906)

Nosilci: Lidija Slemenik Perše

1. Shaw M.T.: Introduction to Polymer Rheology, John Wiley & Sons, 2012, ISBN - 978-0-470-38844-0, [COBISS.SI-ID [127146755](#)]
2. Ferry J.D.: Viscoelastic Properties of Polymers, John Wiley & Sons, 1980, ISBN - 0-471-04894-1, [COBISS.SI-ID [139823](#)]
3. Osswald T.A., Rudolph N.: Polymer Rheology Fundamentals and Applications, Hanser Publishers, 2014, ISBN - 978-1-56990-517-3, [COBISS.SI-ID [100459267](#)]
4. Lakes R.S.: Viscoelastic materials, Cambridge University Press, 2009, ISBN - 978-0-521-88568-3, [COBISS.SI-ID [11300123](#)]
5. Ward I.M., Sweeney J.: Mechanical properties of solid polymers. John Wiley & Sons, 2012, ISBN - 0-471-91995-0, [COBISS.SI-ID [141289](#)]

Robotski sistemi - MAG (0566809)

Nosilci: Rok Vrabčič

1. Peter Corke: Robotics, Vision and Control, Springer-Verlag Berlin Heidelberg, 2011 [COBISS.SI-ID [15787291](#)]
2. Tadej Bajd, Matjaž Mihelj, Marko Munič: Introduction to Robotics, Springer Dordrecht Heidelberg New York London, 2013 [COBISS.SI-ID [9761364](#)]
3. Gupta, A. K., Arora, S. K. Industrial automation and robotics [COBISS.SI-ID [30368005](#)]
4. Gregor Klančar, Andrej Zdešar, Sašo Blažič, Igor Škrjanc: Wheeled Mobile Robotics, Butterworth-Heinemann, 2017 [COBISS.SI-ID [11671636](#)]
5. Morgan Quigley, Brian Gerkey, William D. Smart: Programming Robots with ROS, O'Reilly Media, 2015 [COBISS.SI-ID [11614292](#)]
6. Joseph Lentin: Mastering ROS for Robotics Programming, Packt Publishing, 2018[COBISS.SI-ID [12392020](#)].

Sestavljena gonila v mobilni tehniki (0566884)

Nosilci: Jernej Klemenc, Marko Nagode, Simon Oman

1. Dinamika vozil - Klemenc, Jernej [COBISS.SI-ID [300796928](#)]
2. Zobniška gonila - Flašker, Jože ; Glodež, Srečko ; Ren, Zoran [COBISS.SI-ID [250895616](#)]
3. Theory of ground vehicles - Wong, Jo Yung [COBISS.SI-ID [1319016](#)]

Solarne tehnologije (0566915)

Nosilci: Sašo Medved

1. Duffie, J. A., Beckman, W. A. Solar engineering of thermal processes. 2nd Edition. John Wiley & Sons, Inc., New York, 1991 [COBISS.SI-ID [12237317](#)].
2. Tiwari, G. N., Tiwari, A., Shyam. Handbook of Solar Energy : Theory, Analysis and Applications. Springer Singapore, 2016 [COBISS.SI-ID [136696067](#)].
3. Solar heating systems for houses : a design handbook for solar combisystems. Ed. Werner Weiss. James & James, 2003 [COBISS.SI-ID [7331355](#)].
4. Malamatenios, C., Giakoumelos, L., Mavrou, E. Obnovljivi viri energije. Centre for Renewable Energy Sources and Saving, Athens, 2017 [COBISS.SI-ID [15780635](#)]
5. Medved, S., Domjan, S., Arkar, C. Sustainable technologies for nearly zero energy buildings : design and evaluation methods. Cham : Springer, 2019 [COBISS.SI-ID [16490011](#)].

Tehniška akustika (0566862)

Nosilci: Jurij Prezelj

1. C. J. Malcom, Handbook of noise and vibration control, New Jersey, USA : John Wiley & Sons, cop. 2007, [COBISS.SI-ID [10213659](#)]
2. A. Belšak, J. Prezelj, Vibracije in Zvok v vzdrževanju, Univerzitetni učbenik Univerze v Mariboru, 2013, [COBISS.SI-ID [74667777](#)]
3. M. Čudina, Tehniška Akustika: merjenje, vrednotenje in zmanjševanje hrupa in vibracij, Fakulteta za strojništvo, Univerze v Ljubljani, 2014, [COBISS.SI-ID [271188736](#)]

Termodinamika zmesi (0566914)

Nosilci: Iztok Golobič, Matic Može

1. Moran, M. J., Shapiro, H. N., Boettner, D. D., Fundamentals of Engineering Thermodynamics. 9th Edition, Wiley, 2018. [COBISS.SI-ID [1024015196](#)]
2. Bejan, A., Advanced Engineering Thermodynamics. 4th Edition, Wiley, 2016. [COBISS.SI-ID [9714459](#)]
3. M. Oprešnik, Termodinamika zmesi. predelana izdaja, Fakulteta za strojništvo, Univerza v Ljubljani, Ljubljana 1988. [COBISS.SI-ID [3867648](#)]
4. Poling, B.E., Prausnitz, J.M., O'Connell, J.P., The Properties of Gases and Liquids. 4th Edition, McGraw-Hill, 1987. [COBISS.SI-ID [512534](#)]

Toplotna obdelava (0566831)

Nosilci: Roman Šturm, Sebastjan Žagar

1. D. R. Askeland: The science and engineering of materials, Sixth Edition, Chapman & Hall, London, 2011 [COBISS.SI-ID [5321057](#)]
2. M. Philip, B. Bolton: Technology of engineering materials, Butterworth Heinemann, Oxford, 2007 [COBISS.SI-ID [5489947](#)]
3. P.H. Morton: Surface engineering and heat treatment, The institute of metals, 1991 [COBISS.SI-ID [8116763](#)]
4. Moderno proizvodno inženirstvo, priročnik, ur. Karl Kuzman, Grafis trade, 2010 [COBISS.SI-ID [244690944](#)]
5. H.E. Boyer: Practical heat treatment, American society for metals, 1984 [COBISS.SI-ID [508699](#)]
6. P. Panjan: Zaščita orodij s trdimi PVD-prevlekami, IJS, 2005 [COBISS.SI-ID [223154176](#)]

Trajnostni viri električne energije (0566865)

Nosilci: Marko Hočevar, Martin Petkovšek

1. Marko Hočevar, Uvod v hidroenergetske sisteme, Fakulteta za strojništvo, učbenik, [COBISS.SI-ID [282771968](#)], 2015
2. Kreith F., Goswami, D. Yogi, Handbook of Energy Efficiency and Renewable Energy, CRC Press, 2007
3. Raabe, J.: Hydro power: the design, use and function of hydromechanical, hydraulic and electrical equipment.- Düsseldorf: VDI, [COBISS.SI-ID [378907](#)], 1985

Transportni pojavi (0566913)

Nosilci: Andrej Kitanovski, Katja Klinar

1. Klinar, Katja; Kitanovski, Andrej. Učni pripomoček pri predmetu Transportni pojavi : zbirka rešenih nalog. Ljubljana: Fakulteta za strojništvo, 2023. [COBISS.SI-ID [139991299](#)]
2. Incropera, Frank P. et al. Fundamentals of heat and mass transfer, 2007 [COBISS.SI-ID [12387634](#)]
3. Gašperšič, Branko. Prenos toplote, 2001 [COBISS.SI-ID [111288064](#)]
4. Kaviany, Massoud. Heat transfer physics, 2008 [COBISS.SI-ID [30583301](#)]
5. Jiji, Latif Menashi. Heat convection (2nd edition), Springer, 2009, [COBISS.SI-ID [1541997023](#)]

Turbinski stroji (0566856)

Nosilci: Lovrenc Novak, Marko Hočevar

1. Marko Hočevar in Matevž Dular, Uvod v hidroenergetske sisteme, Fakulteta za strojništvo, učbenik, [COBISS.SI-ID [282771968](#)], 2015
2. Eck, Bruno. Ventilatoren : Entwurf und Betrieb der Radial-, Axial- und Querstromventilatoren. Springer, [COBISS.SI-ID [12016133](#)], 1991
3. Dixon, S. L., Hall, C. A., Fluid Mechanics and thermodynamics of turbomachinery, Elsevier, [COBISS.SI-ID [26840325](#)], 2005

Večfazni sistemi (0566928)

Nosilci: Andrej Bombač, Božidar Šarler

1. A. Faghri, Y. Zhang, Transport Phenomena in Multiphase Systems, Academic Press, Burlington, 2006. ISBN - 0-12-370610-6; 978-0-12-370610-2, [COBISS.SI-ID [9875483](#)]
2. J. A. Dantzig, M. Rappaz, Solidification, 2nd Edition, EPFL Press, Lausanne, 2016. ISBN - 978-3-0364-0015-0, [COBISS.SI-ID [147092739](#)]
3. G. Heng, Y. J. Tu, Computational Techniques for Multiphase Flows, 2nd Edition, Elsevier, London, 2019. ISBN - 978-0-08-102453-9, [COBISS.SI-ID [17000219](#)]

Višja dinamika (0566893)

Nosilci: Gregor Čepon, Janko Slavič, Miha Boltežar

1. Boltežar M: Mehanska nihanja – del, druga izdaja, Fakulteta za strojništvo, 2010. [COBISS.SI-ID [253726720](#)]
2. Slavič J: Dinamika, mehanska nihanja in mehanika tekočin, 2023. [COBISS.SI-ID [146083075](#)]
3. Rao SS: Mechanical vibration, 6th Ed, 2018. [COBISS.SI-ID [138737667](#)]
4. Tomson WT, Dahleh MD: Theory of Vibration with Applications, 5th Ed, 1997. [COBISS.SI-ID [7529499](#)]

Višja trdnost (0566892)

Nosilci: Miha Brojan

1. S. Srpčič: Mehanika trdnih teles, FGG, 2003 [COBISS.SI-ID [126565120](#)].
2. M. Stanek, G. Turk: Osnove mehanike trdnih teles, FGG, 2008 [COBISS.SI-ID [237288960](#)].
3. F. Kosel: Višja trdnost, zbirka rešenih nalog, FS, 2009 [COBISS.SI-ID [247680256](#)].
4. B. Štok: Mehanika deformabilnih teles, zbirka rešenih problemov I in II del, FS, 1988 [COBISS.SI-ID [3769600](#)].
5. J.N. Reddy: An Introduction to Continuum Mechanics, Cambridge University Press, 2013 [COBISS.SI-ID [135000579](#)].
6. A. Bower: Applied mechanics of solids, CRC Press, 2010 [COBISS.SI-ID [11886107](#)].

Vrednotenje na zanesljivost (0566886)

Nosilci: Jernej Klemenc, Marko Nagode

1. Efektivnost izdelkov, Klemenc, Jernej [COBISS.SI-ID [290437120](#)]
2. Snovanje izdelkov z vidika zanesljivosti, Nagode, Marko ; Oman, Simon, 1979- ; Šeruga, Domen [COBISS.SI-ID [104685315](#)]
3. Synergetics of measurement, prediction and control, Grabec, Igor ; Sachse, Wolfgang [COBISS.SI-ID [63089](#)]