

SEZNAM POTENCIALNIH METORJEV NA DOKTORSKEM ŠTUDIJSKEM PROGRAMU STROJNIŠTVO

(februar 2026)

ŠT.	Naziv	Ime/Name	Priimek/ Last name	Področje	Fields of research	Fakulteta	Faculty	E-naslov/E-mail
1	doc. dr.	Vid	Agrež	Lasersko mikro in nano-procesiranje, lasersko transferno tiskanje, fotodisrupcija lasersko povzročena mikro in nano-kavitacija, ultra hitro merjenje tlačnih valov vlakenski, trdninski in hibridni laserji, fotonika, posebni laserski merilni sistemi, krmiljenje laserskih sistemov, procesiranje optičnih vlaken.	Laser micro and nano processing, laser transfer printing, photodisruption laser induced micro and nano-cavitation, ultrafast pressure wave measurement. Fiber lasers, solid state, and hybrid lasers, photonics, special laser measurement systems, laser system control, optical fiber processing.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	vid.agrez@fs.uni-lj.si
2	izr. prof. dr.	Ciril	Arkar	Prenos toplote in snovi v stavbah in ozelenjenih gradnikih stavb, tehnologije za izrabo sončne energije	Heat and mass transfer in buildings and green building envelopes, technologies for solar energy utilization	Fakulteta za strojništvo	Faculty of Mechanical Engineering	ciril.arkar@fs.uni-lj.si
3	doc. dr.	Zoran	Bergant	Lasersko utrjevanje površine, zaostale napetosti, integriteta površin, lezenje, toplotna obdelava, korozija, kompoziti	Laser surface hardening, residual stresses, surface integrity, creep, heat treatment, corrosion, composites	Fakulteta za strojništvo	Faculty of Mechanical Engineering	zoran.bergant@fs.uni-lj.si
4	doc. dr.	Tomaž	Berlec	Proizvodni sistemi, priprava in vodenje proizvodnje, študij dela in časa	Production systems, production planning and control, work and control, work and time measurements	Fakulteta za strojništvo	Faculty of Mechanical Engineering	tomaz.berlec@fs.uni-lj.si
5	doc. dr.	Benjamin	Bizjan	Mehanika fluidov, Algoritmi	Fluid mechanics, Algorithms	Fakulteta za strojništvo	Faculty of Mechanical Engineering	benjamin.bizjan@fs.uni-lj.si
6	doc. dr.	Gregor	Bobovnik	Meroslovje, umerjanje, kalibracija, merjenje temperatur, tlakov, tokov, razvoj merilne opreme	Mterology, calibration, measurement of temperature, pressure and flow, development of measuring equipment	Fakulteta za strojništvo	Faculty of Mechanical Engineering	gregor.bobovnik@fs.uni-lj.si
7	doc. dr.	Drago	Bračun	Laserska ultrasonika, laserska tehnika, brezdotična detekcija, preiskave brez porušitve, optodinamika	Laser ultrasonics, laser applications, non-contact detection, non-destructive testing, optodynamics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	drago.bracun@fs.uni-lj.si
8	doc. dr.	Simon	Brezovnik	Diskretna matematika, teorija grafov, statistika		Fakulteta za strojništvo	Faculty of Mechanical Engineering	simon.brezovnik@fs.uni-lj.si
9	izr. prof. dr.	Miha	Brojan	aplikativna mehanika, stabilnost, kompozitni materiali, gubanje, eksperimentalna mehanika	applied mechanics, stability, composite materials, wrinkling, experimental mechanics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	miha.brojan@fs.uni-lj.si
10	doc. dr.	Amer Amor	Chowdhury Haque	Sistemi in kibernetika, Procesiranje in vrednotenje, Vodenje sistemov, komunikacije, regulacije	Systems and cybernetics, Processing and evaluation, Control system design, robust control, communications systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	amor.chowdhury@fs.uni-lj.si
11	prof. dr.	Gregor	Čepon	Konstruiranje / Osnovna in sistemska znanja, Konstrukcijska mehanika	Mechanical design / Basic and system know-how, Construction mechanics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	gregor.cepon@fs.uni-lj.si
12	doc. dr.	Martin	Česnik	Konstruiranje / Osnovna in sistemska znanja, Konstrukcijska mehanika	Mechanical design / Basic and system know-how, Construction mechanics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	martin.cesnik@fs.uni-lj.si
13	znan. sod. dr.	Radovan	Dražumerič	Nelinearna mehanika, stabilnost, mehanika materialov, mehanika gradiv z oblikovanim spominom	nonlinear mechanics, buckling, mechanics of materials, mechanics of shape memory materials	Fakulteta za strojništvo	Faculty of Mechanical Engineering	radovan.drazumeric@fs.uni-lj.si
14	prof. dr.	Matevž	Dular	Mehanika fluidov, turbinski stroji, računalniško podprta vizualizacija	Fluid mechanics, turbomachinery, computer aided visualization	Fakulteta za strojništvo	Faculty of Mechanical Engineering	matevz.dular@fs.uni-lj.si
15	prof. dr.	Iztok	Golobič	Prenos toplote in snovi, termodinamika, procesna tehnika	Heat and mass transfer, thermodynamics, process engineering	Fakulteta za strojništvo	Faculty of Mechanical Engineering	iztok.gobic@fs.uni-lj.si
16	prof. dr.	Edvard	Govekar	Diagnostika in kontrola tehniških procesov, empirično modeliranje dinamskih procesov, nevronske mreže, nelinearna in kaotična dinamika, analiza časovnih vrst	Diagnostics optimisation and control of technical processes, empirical modeling of dynamic processes, neural networks, nonlinear and chaotic dynamics, time series analysis	Fakulteta za strojništvo	Faculty of Mechanical Engineering	edvard.govekar@fs.uni-lj.si
17	izr. prof. dr.	Peter	Gregorčič	lasersko mikro in nano strukturiranje površin, razvoj površin za inženirske aplikacije, laserska funkcionalizacija površin, ultrakratki laserski bliski, omočljivost površin, hidrofoibnost, hidrofilitnost, laserska oksidacija površin, interakcija med svetlobo in snovjo, lasersko povzročena kavitacija, laserski inženiring površin, hitra senčna fotografija, laserska tehnika, laserski obdelovalni procesi, optična metrologija	laser micro- and nano-surface structuring, development of surfaces for engineering applications, laser surface functionalization, ultrashort laser pulses, surface wettability, hydrophobicity, hydrophilicity, laser surface oxidation, light-matter interaction, laser-induced cavitation, laser surface engineering, high-speed shadowgraphy, laser technology, laser material processing, optical metrology	Fakulteta za strojništvo	Faculty of Mechanical Engineering	peter.gregorcic@fs.uni-lj.si
18	doc. dr.	Aleksander	Grm			Fakulteta za strojništvo	Faculty of Mechanical Engineering	aleksander.grm@fs.uni-lj.si
19	izr. prof. dr.	Miroslav	Halllovič	Tehniška fizika, mehanika, prevod toplote, elektromagnetizem, modeliranje tehnoloških procesov	Technical physics, mechanics, heat conduction, electro-magnetics, modelling of technology processes	Fakulteta za strojništvo	Faculty of Mechanical Engineering	miroslav.halllovic@fs.uni-lj.si
20	prof. dr.	Niko	Herakovič	Hidravlika, pnevmatika, mehatronika, piezotehnika, hidravlični ventil, piezo	Hydraulics, pneumatics, mechatronics, piezo technics, hydraulic valves, pneumatics valves, piezo valves, fluid flow, axial flow force compensation, simulation, experiments, construction, development, agricultural tractors, hydro-mechanical drives	Fakulteta za strojništvo	Faculty of Mechanical Engineering	niko.herakovic@fs.uni-lj.si
21	prof. dr.	Marko	Hočevar	Mehanika fluidov, turbinski stroji, računalniško podprta vizualizacija	Fluid mechanics, turbomachinery, computer aided visualization	Fakulteta za strojništvo	Faculty of Mechanical Engineering	marko.hocevar@fs.uni-lj.si
22	izr. prof. dr.	Boris	Jerman	Nosilne konstrukcije, Varjene konstrukcije, Tlačne posode in cevovodi, Dvižne in transportne naprave, Razvoj, Optimiranje, Vrednotenje	Load-bearing structures, Welded structures, Pressure vessels and pipelines, Lifting and transport devices, Development, Optimization, Evaluation	Fakulteta za strojništvo	Faculty of Mechanical Engineering	boris.jerman@fs.uni-lj.si
23	prof. dr.	Matija	Jezeršek	Laserska tehnika, laserske obdelave, mikrostrukturiranje površin, interakcija svetloba-snov, optodinamika, laserske merilne metode, laserski medicinski sistemi, laserski ultrazvok, nadzorni sistemi	Laser technology, Laser material processing, Surface microstructuring, Light-matter interaction, Optodynamics, Laser measurement methods, Laser medical systems, Laser ultrasonics, Control systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	matija.jezersek@fs.uni-lj.si
24	prof. dr.	Mitjan	Kalin	Tribologija, materiali, konstruiranje, modeliranje	Tribology, materials, design, modeling	Fakulteta za strojništvo	Faculty of Mechanical Engineering	mitjan.kalin@fs.uni-lj.si
25	doc. dr.	Tadej	Kanduč			Fakulteta za strojništvo	Faculty of Mechanical Engineering	tadej.kanduc@fs.uni-lj.si

26	prof. dr.	Tomaž	Katrašnik	Motorji z notranjim zgorevanjem, alternativna goriva, izpusti onesnažil, hibridni pogonski sistemi vozil, električna vozila, gorivne celice, baterije, soproizvodnja toplote in elektrike, numerično modeliranje sistemov in komponent	Internal combustion engines, piston heat engines	Fakulteta za strojništvo	Faculty of Mechanical Engineering	tomaz.katrasnik@fs.uni-lj.si
27	doc. dr.	Tomaž	Kek	Neporušno preizkušanje, preizkušanje z akustično emisijo, preizkušanje z ultrazvokom, mikroskopija, mehansko preizkušanje materialov, zaostale napetosti, integriteta površin, toplotna obdelava, kompoziti, laserska površinska obdelava in rezanje	Non-destructive testing, acoustic emission testing, ultrasound testing, microscopy, mechanical testing of materials, residual stresses, surface integrity, heat treatment, composites, laser surface treatment and cutting	Fakulteta za strojništvo	Faculty of Mechanical Engineering	tomaz.kek@fs.uni-lj.si
28	prof. dr.	Andrej	Kitanovski	Prenos toplote in snovi, Aplikacije transportnih pojavov v trdninah in tekočinah, Hladilna tehnika in toplotne črpalke, Kriogenika, Ogrevalni in hladilni sistemi, Daljinski energetski sistemi	Heat and mass transfer, Applied transport phenomena in solid and fluids, Refrigeration and Heat pumps, Cryogenics, Heating and Cooling systems, District Energy Systems	Fakulteta za strojništvo	Fakulteta za strojništvo	andrej.kitanovski@fs.uni-lj.si
29	prof. dr.	Jernej	Klemenc	Razvoj, vrednotenje, zanesljivost, vzdrževalnost, suportabilnost, zagotavljanje, zadržljivost, napovedovanje	Development, evaluation, reliability, availability, assurance, durability, prediction	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jernej.klemenc@fs.uni-lj.si
30	doc. dr.	Katja	Klinar	Prenos toplote in snovi, Aplikacije transportnih pojavov v trdninah in tekočinah, Hladilna tehnika in toplotne črpalke, Ogrevalni in hladilni sistemi, Daljinski energetski sistemi	Heat and mass transfer, Applied transport phenomena in solid and fluids, Refrigeration and Heat pumps, Heating and Cooling systems, District Energy Systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	katja.klinar@fs.uni-lj.si
31	izr. prof. dr.	Damjan	Klobčar	Varilstvo, konstruiranje naprav, svetovanje, pregled zvarov, varivost materialov, varilne tehnologije, lasersko varjenje, ultrazvočno varjenje, FSW, spajkanje, lepljenje, napredna karakterizacija materialov, dodajalna izdelava	Welding, construction of equipment, consulting examination of welds, weldability, welding technologies, laser welding, ultrasonic welding, FSW, brazing, soldering, adhesive bonding, advanced materials characterisation, additive manufacturing	Fakulteta za strojništvo	Faculty of Mechanical Engineering	damjan.klobcar@fs.uni-lj.si
32	izr. prof. dr.	Leon	Kos	Fuzijske tehnologije, fizika plazme, integrirano modeliranje fuzije. Programiranje HPC, računalniška grafika, vizualizacija.		Fakulteta za strojništvo	Faculty of Mechanical Engineering	leon.kos@fs.uni-lj.si
33	prof. dr.	Borut	Kosec	dvo in več fazni kovinski materiali, kompozitni materiali, mehansko preizkušanje, modeliranje, analiza z metodo končnih elementov (FEA), kontinuirno litje, toplotno-tehnične meritve, prenos toplote	two and multi-phase metal materials, composite materials, mechanical testing, modeling, finite element analysis (FEA), continuous casting, thermo-technical measurement, heat and mass transfer	Fakulteta za strojništvo	Faculty of Mechanical Engineering	borut.kosec@fs.uni-lj.si
34	znan. sod. dr.	Miha	Kovačič	proizvodne tehnologije, sistemi, prilagodljivi obdelovalni sistemi, inteligentni obdelovalni sistemi	manufacturing technology, systems, flexible manufacturing systems, intelligent manufacturing systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	miha.kovacic@fs.uni-lj.si
35	doc. dr.	Dominik	Kozjek	Tehnika / Proizvodne tehnologije in sistemi / Proizvodna kibernetika	Engineering sciences and technologies / Manufacturing technologies and systems / Manufacturing cybernetics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	dominik.kozjek@fs.uni-lj.si
36	prof. dr.	Peter	Krajnik	Načrtovanje tehnologij in izdelkov, proizvodne tehnologije, abrazivne tehnologije, brušenje, trajnostna proizvodnja	Design of technologies and products, Manufacturing technologies, Abrasive technologies, Grinding, Sustainable manufacturing	Fakulteta za strojništvo	Faculty of Mechanical Engineering	peter.krajnik@fs.uni-lj.si
37	izr. prof. dr.	Davorin	Kramar	Inženirstvo kakovosti, izdelovalne tehnologije, načrtovanje tehnologij in izdelkov, optimizacija izdelovalnih procesov	Quality engineering, manufacturing technologies, process and product design; optimization of manufacturing processes	Fakulteta za strojništvo	Faculty of Mechanical Engineering	davorin.kramar@fs.uni-lj.si
38	doc. dr.	Andraž	Kravos	Elektrokemijski energetski sistemi in celice, večnivojsko in večfizično modeliranje, termodinamsko konsistentni modeli z znižano dimenzionalnostjo, nelinearni sistemi s porazdeljenimi parametri, modelsko podprta diagnostika in nadzor, načrtovanje virtualnih senzorjev in opazovalnikov, digitalni dvojčki	Electrochemical energy systems and cells, multiscale and multiphysics modelling, thermodynamically consistent reduced-order models, nonlinear distributed-parameter systems, model-based diagnostics and control, virtual sensor and observer design, digital twins	Fakulteta za strojništvo	Faculty of Mechanical Engineering	andraz.kravos@fs.uni-lj.si
39	izr. prof. dr.	Robert	Kunc	Konstruiranje / snovanje novih proizvodov, biomehanika, prometni dogodki in nezgode ter prometni sistemi, kotalni ležaji velikih dimenzij, vrtljive zveze, kotalni	Design and development of new products, biomechanics, traffic events and accidents analysis, transport systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	robert.kunc@fs.uni-lj.si
40	izr. prof.	Jože	Kutin	Meroslovje pretoka tekočin, tlaka in temperature, merilna dinamika, modeliranje merilnih sistemov, sklopljeni tekočinsko-trdninski sistemi, Coriolisovi merilniki pretoka, merilniki pretoka plina s pomičnim batom	Metrology of fluid flow rate, pressure and temperature, measurement dynamics, modelling of measurement systems, fluid-structure interactions, Coriolis mass flow meters, piston provers for gas flow rate	Fakulteta za strojništvo	Faculty of Mechanical Engineering	joze.kutin@fs.uni-lj.si
41	izr. prof. dr.	Franc	Majdič	Konstruiranje / Specialna razvojna znanja / hidravlika, hidravlična krmiljenja, črpalke, ventili, akuatorji, hidravlični prehodni pojavi, diagnostika v hidravliki, vodna hidravlika, dinamična krmiljenja, čistoča in trajnost v hidravliki, vzdrževanje hidravlike, vzdrževanje hidravlike v letalih, aditivne tehnologije v hidravliki, mobilna hidravlika, digitalni dvojčki v hidravliki	Mechanical design, Special development know-how, hydraulics, hydraulic controls, pumps, valves, actuators, hydraulic transients, diagnostics in hydraulics, water hydraulics, dynamic controls, cleanliness and durability in hydraulics, hydraulic maintenance, aircraft hydraulic maintenance, additive technologies in hydraulics, mobile hydraulics, digital twins in hydraulics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	franc.majdic@fs.uni-lj.si
42	doc. dr.	Boštjan	Mavrič	Brezmrežne metode, napredne metode za računalniško dinamiko kontinua, modeliranje procesov strjevanja	Meshless methods, advanced methods for computational mechanics, solidification modelling	Fakulteta za strojništvo	Faculty of Mechanical Engineering	bostjan.mavric@fs.uni-lj.si
43	izr. prof. dr.	Nikolaj	Mole	Termo mehanske analize, numerično modeliranje, metoda končnih elementov	Thermo mechanical analysis, numerical modelling, finite element method	Fakulteta za strojništvo	Faculty of Mechanical Engineering	nikolaj.mole@fs.uni-lj.si

44	izr. prof. dr.	Mitja	Mori	Študije življenjskih ciklov, Tehno-ekonomske analize, Vrednotenje trajnosti procesov in tehnologij (LCA, LCC, SLCA), Ogljikni odtis, Vodikove tehnologije, Modeliranje kompleksnih energetskih sistemov, Termoenergetska postrojenja, Krožno gospodarstvo	Life Cycle Assessment, Techno-economic analyses, Sustainability assessment of processes and technologies (LCA, LCC, SLCA), Carbon footprint, Hydrogen technologies, Modelling of complex energy systems, Thermal energy powerplants and systems, Circular economy	Fakulteta za strojništvo	Faculty of Mechanical Engineering	mitja.mori@fs.uni-lj.si
45	doc. dr.	Matic	Može	Prenos toplote in snovi, termodinamika, procesna tehnika	Heat and mass transfer, thermodynamics, process engineering	Fakulteta za strojništvo	Faculty of Mechanical Engineering	matic.moze@fs.uni-lj.si
46	doc. dr.	Jaka	Mur	Lasersko mikro in nano-procesiranje, lasersko transferno tiskanje, lasersko povzročena mikro in nano-kavitacija, ultra hitro merjenje tlačnih valov.	Laser micro and nano processing, laser transfer printing, laser induced micro and nano-cavitation, ultrafast pressure wave measurement.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jaka.mur@fs.uni-lj.si
47	doc. dr.	Jure	Murovec			Fakulteta za strojništvo	Faculty of Mechanical Engineering	jure.murovec@fs.uni-lj.si
48	prof. dr.	Marko	Nagode	Razvoj, vrednotenje, zanesljivost, vzdrževalnost, suptabilnost, razpoložljivost, zagotovljivost, zdržljivost, napovedovanje	Development, evaluation, reliability, maintainability, supportability, assurance, availability, durability, prediction	Fakulteta za strojništvo	Faculty of Mechanical Engineering	marko.nagode@fs.uni-lj.si
49	doc. dr.	Lovrenc	Novak					
50	doc. dr.	Domen	Ocepek	Konstruiranje / Osnovna in sistemska znanja, Konstrukcijska mehanika	Mechanical design / Basic and system know-how, Construction mechanics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	domen.ocepek@fs.uni-lj.si
51	izr. prof. dr.	Simon	Oman	Konstruiranje, Specialna konstrukcijska znanja	Mechanical design / Special development know-how	Fakulteta za strojništvo	Faculty of Mechanical Engineering	simon.oman@fs.uni-lj.si
52	doc. dr.	Alen	Oseli	polimeri, polimerni kompoziti, karakterizacija materialov, reologija, recikliranje, pametni funkcionalni materiali	polymers, polymer composites, material characterization, rheology, recycling, smart functional materials	Fakulteta za strojništvo	Faculty of Mechanical Engineering	alen.oseli@fs.uni-lj.si
53	izr. prof. dr.	Tomaž	Pepelnjak	Razvoj in optimizacija preoblikovalnih postopkov, MKE simulacije, UI v načrtovanju in krmiljenju preoblikovalnih postopkov, digitalni dvojčki, konstrukcija preoblikovanih orodij, hitra izdelava prototipov in orodij, sočasno inženirstvo v preoblikovanju, bionika v preoblikovanju	Development and optimization of forming processes, MKE simulations, UI in the planning and control of forming processes, digital twins, design of forming tools, rapid prototyping and tooling, concurrent engineering in forming, bionics in forming	Fakulteta za strojništvo	Faculty of Mechanical Engineering	tomaz.pepelnjak@fs.uni-lj.si
54	izr. prof. dr.	Aljoša	Peperko	Matematika, Tehnika / Računalništvo in informatika, teorija grafov, verjetnost, stohastični proces	Mathematics, Engineering sciences and technologies / Computer science and informatics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	aljosa.peperko@fs.uni-lj.si
55	zn. sod. dr.	Jaka	Petelin	Lasersko mikro in nano-procesiranje, lasersko transferno tiskanje, ultra hitro merjenje tlačnih valov vlakenski, trdninski in hibridni laserji, fotonika, posebni laserski merilni sistemi, krmiljenje laserskih sistemov, procesiranje optičnih vlaken.	Laser micro and nano processing, laser transfer printing, ultrafast pressure wave measurement. Fiber lasers, solid state, and hybrid lasers, photonics, special laser measurement systems, laser system control, optical fiber processing.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jaka.petelin@fs.uni-lj.si
56	doc. dr.	Martin	Petkovšek	Tehnika / Procesno strojništvo / Vodna moč	Engineering sciences and technologies / Process engineering / Water power	Fakulteta za strojništvo	Faculty of Mechanical Engineering	martin.petkovsek@fs.uni-lj.si
57	prof. dr.	Rok	Petkovšek	Uporaba laserjev v industriji, medicini in raziskavah: lasersko mikro in nano-procesiranje, lasersko transferno tiskanje, fotodisrupcija, lasersko povzročena mikro in nano-kavitacija, ultra hitro merjenje tlačnih valov Laserski sistemi: vlakenski, trdninski in hibridni laserji, fotonika, posebni laserski merilni sistemi, krmiljenje laserskih sistemov, procesiranje optičnih vlaken.	Lasers applications in industry, medicine, and research: laser micro and nano processing, laser transfer printing, photodisruption laser induced micro and nano-cavitation, ultrafast pressure wave measurement. Laser systems: Fiber lasers, solid state, and hybrid lasers, photonics, special laser measurement systems, laser system control, optical fiber processing.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	rok.petkovsek@fs.uni-lj.si
58	prof. dr.	Primož	Podržaj	Analiza krmilnih sistemov, snovanje krmilnih sistemov, optimalni krmilni zakoni, energetske naprave in procesi	Analysis of control systems, synthesis of control systems, optimal control laws, power facilities and processes	Fakulteta za strojništvo	Faculty of Mechanical Engineering	primoz.podrzaj@fs.uni-lj.si
59	doc. dr.	Marko	Polajnar	Tribologija, materiali, konstruiranje, modeliranje	Tribology, materials, design, modeling	Fakulteta za strojništvo	Faculty of Mechanical Engineering	marko.polajnar@fs.uni-lj.si
60	doc. dr.	Primož	Poredoš	Prenos toplote in snovi v stavbah, v generatorjih vode iz atmosfere, v membranskih destilacijskih enotah, poroznih strukturah; prenos toplote pri aplikaciji dnevno-sevalnih materialov; matematično in numerično modeliranje prenosa toplote in snovi v aplikacijah pridobivanja vode iz atmosfere, membranske destilacije, sevalnega hlajenja; računalniško načrtovanje smotrne rabe energije v stavbah; ogrevanje in hlajenje stavb z obnovljivimi viri energije; toplotni management fotovoltaičnih panelov; eksperimentalne metode.	Heat and mass transfer in buildings, atmospheric water harvesters, membrane distillation systems, porous structures; heat transfer in applications with radiative sky cooling materials; mathematical and numerical modelling of heat and mass transfer for water harvesting, membrane distillation, radiative cooling devices; computer added design of rational energy in buildings; heating and cooling of buildings with renewable energy sources; thermal management of photovoltaic panels; experimental methods.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	primoz.poredos@fs.uni-lj.si
61	doc. dr.	Primož	Potočnik	eksperimentalno modeliranje, prediktivno vodenje, napovedovanje, nevronske mreže, genetski algoritmi, industrijska diagnostika	experimental modeling, model predictive control, forecasting, neural networks, genetic algorithms, industrial diagnostics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	primoz.potocnik@fs.uni-lj.si
62	prof. dr.	Janez	Povh	Reševanje težkih problemov na grafih, kombinatorična optimizacija, algoritmi, operacijsko raziskovanje	Solving hard problems on graphs, combinatorial optimization, algorithms, operations research	Fakulteta za strojništvo	Faculty of Mechanical Engineering	janez.povh@fs.uni-lj.si
63	viš. zn. sod. dr.	Tomaž	Požar	Optodinamika, interakcija svetloba-snov, optoakustika, laserska tehnika, laserski obdelovalni procesi, laserski ultrazvok, interferometrija, optična metrologija	Optodynamics, light-matter interaction, optoacoustics, laser applications, laser manufacturing, laser ultrasonics, interferometry, optical metrology	Fakulteta za strojništvo	Faculty of Mechanical Engineering	tomaz.pozar@fs.uni-lj.si
64	izr. prof. dr.	Jurij	Prezelj	Akustika, Aeroakustika, Vibroakustika, Psihoakustika, Zvok in Vibracije, Mehanizmi generiranja hrupa, Hrup strojev in naprav, Črpalke, Ventilatorji, Kompresorji, Turbinski stroji, Priprava komprimiranega zraka, Meritve v energetskem strojništvu, Digitalna obdelava signalov, Identifikacija zvočnih virov, Avtomatska klasifikacija zvočnih dogodkov, Hrup v naravnem in življenjskem okolju,	Acoustics, Aeroacoustics, Vibroacoustics, Psychoacoustics, Sound and vibrations, Noise generation mechanisms, Machinery noise, Pumps, Fans, Blowers, Compressors, Turbomachinery, Measurements, Digital Signal Processing, Identification of noise sources, Automatic classification of noise events, Environmental noise	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jurij.prezelj@fs.uni-lj.si

65	prof. dr.	Franci	Pušavec	Tehnika / Proizvodne tehnologije in sistemi / Izdelovalna tehnologija	Engineering sciences and technologies / Manufacturing technologies and systems / Manufacturing technology	Fakulteta za strojništvo	Faculty of Mechanical Engineering	franci.pusavec@fs.uni-lj.si
66	doc. dr.	Juan Manuel	Rossello	Dinamika mehurčkov in kavitacija, lasersko inducirana kavitacija, nanomehurčki, ultrazvok in akustična kavitacija, curki in kavitacijska erozija, visokohitrostna optična in akustična diagnostika, vključno z rentgenskim slikanjem in Miejevimi sipanjem, biomedicinske in industrijske aplikacije, brezigeno injiciranje na osnovi kavitacije ter interakcija mehurčkov z biološkimi tkivom, sonokemija in intenzifikacija procesov, eksperimentalna fizika in instrumentacija, vključno s 3D načrtovanjem, programiranjem in elektroniko.	Bubble Dynamics and Cavitation, Laser-Induced Cavitation, Nanobubbles, Ultrasound and Acoustic Cavitation, Jetting and Cavitation erosion, High-Speed Optical and Acoustic Diagnostics including X-ray imaging and Mie scattering, Biomedical and Industrial Applications, Cavitation-based Needle-Free Injection and Interaction of bubbles and biological tissue, Sonochemistry and Process Intensification, Experimental Physics and Instrumentation including 3D design, programming and electronics.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	juanmanuel.rossello@fs.uni-lj.si
67	doc. dr.	Darja	Rupnik Poklukar	Verjetnostni računa, stohastični proces, matematična statistika, smotrna raba energije	Probability, stochastic processes, mathematical statistics, industrial energy savings	Fakulteta za strojništvo	Faculty of Mechanical Engineering	darja.rupnik@fs.uni-lj.si
68	prof. dr.	Mihael	Sekavčnik	Energija, turbinski stroji, prenos toplote, elektrarnaška postrojenja, industrijska termodinamika	Energy, turbomachinery, heat transfer, power plants, industry thermodynamics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	mihael.sekavcnik@fs.uni-lj.si
69	doc. dr.	Tine	Seljak	Tehnika / Energetika / Goriva in tehnologija za konverzijo energije Procesno strojništvo / Zgorevanje	Engineering sciences and technologies / Energy engineering / Fuels and energy conversion technology / Process engineering / Combustion	Fakulteta za strojništvo	Faculty of Mechanical Engineering	tine.seljak@fs.uni-lj.si
70	prof. dr.	Janko	Slavič	Mehanika, dinamika, dinamika strojev, vibracije, nelinearna mehanika, dinamika rotorjev, hrup strojev, spektralne analize višjih redov, eksperimentalna identifikacija nelinearnosti	Mechanics, dynamics, dynamics of machines and structures, vibrations, nonlinear oscillations, rotor dynamics, machinery noise, higher-order spectra, experimental identification of nonlinearities	Fakulteta za strojništvo	Faculty of Mechanical Engineering	janko.slavic@fs.uni-lj.si
71	doc. dr.	Lidija	Slemenik Perše	Polimeri, polimerni kompoziti, karakterizacija materialov, reologija, recikliranje, pametni funkcionalni materiali	Polymers, polymer composites, material characterization, rheology, recycling, smart functional materials	Fakulteta za strojništvo	Faculty of Mechanical Engineering	lidija.slemenik.perse@fs.uni-lj.si
72	doc. dr.	Bojan	Starman	Mehanika	Mechanics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	bojan.starman@fs.uni-lj.si
73	izr. prof. dr.	Uroš	Stritih	Prezračevanje, klimatizacija, hlajenje, prenos toplote, sončna energija	Ventilation, air conditioning, cooling, heat transfer, solar energy	Fakulteta za strojništvo	Faculty of Mechanical Engineering	uros.stritih@fs.uni-lj.si
74	doc. dr.	Andrej	Svete	Tehnika / Meroslovje / Metrologije področij	Engineering sciences and technologies / Metrology / Metrologies in areas	Fakulteta za strojništvo	Faculty of Mechanical Engineering	andrej.svete@fs.uni-lj.si
75	prof. dr.	Božidar	Šarler	Prenosni pojavi, fazne spremembe, topljenje/strjevanje, porozni medij, Stefanov problem, numerično modeliranje, simulacije, brez mrežne metode, kontinuirano ulivanje	Transport phenomena, phase changes, dissolution/solidification, porous media, Stefan problem, numerical modelling, meshless methods, continuous casting, aluminium, steel	Fakulteta za strojništvo	Faculty of Mechanical Engineering	bozidar.sarler@fs.uni-lj.si
76	izr. prof. dr.	Domen	Šeruga	Tehnika / Konstruiranje / Specialna razvojna znanja / Osnovna in sistemska znanja	Engineering sciences and technologies / Mechanical design / Special development know-how / Basic and system know-how	Fakulteta za strojništvo	Faculty of Mechanical Engineering	domen.seruga@fs.uni-lj.si
77	izr. prof. dr.	Marko	Šimic	Tehnika / Proizvodne tehnologije in sistemi / Izdelovalna tehnologija / Pametne tovarne / Hidravlični in pnevmatični sistemi / Montažni in strežni sistemi in procesi / Notranja proizvodna logistika in transport.	Engineering sciences and technologies / Manufacturing technologies and systems / Manufacturing technology / Smart factories / Hydraulic and pneumatic systems / Assembly and handling systems and processes/ Internal logistics and transport	Fakulteta za strojništvo	Faculty of Mechanical Engineering	marko.simic@fs.uni-lj.si
78	prof. dr.	Roman	Šturm	Lasersko utrjevanje površine, zaostale napetosti, integriteta površin, lezenje, toplotna obdelava, korozija, kompoziti	Laser surface hardening, residual stresses, surface integrity, creep, heat treatment, corrosion, composites	Fakulteta za strojništvo	Faculty of Mechanical Engineering	roman.sturm@fs.uni-lj.si
79	doc. dr.	Urban	Tomc	Prenos toplote in snovi, Aplikacije transportnih pojavov v trdninah in tekočinah, Hladilna tehnika in toplotne črpalke, Ogrevalni in hladilni sistemi, Daljinski energetski sistemi	Heat and mass transfer, Applied transport phenomena in solid and fluids, Refrigeration and Heat pumps, Heating and Cooling systems, District Energy Systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	urban.tomc@fs.uni-lj.si
80	doc. dr.	Jovan	Trajkovski	Tehnika / Konstruiranje / Specialna konstrukcijska znanja	Engineering sciences and technologies/ Mechanical design / Special constructions know-how	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jovan.trajkovski@fs.uni-lj.si
81	doc. dr.	Uroš	Trdan	Proizvodno-izdelovalne tehnologije in sistemi, utrjevanje površin z laserskimi udarnimi valovi, funkcionalne površine, aditivne tehnologije izdelave kovin, uporaba med- in po-procesnih tehnologij, spajanje materialov, varilske tehnologije, korozijsko preizkušanje, zaostale napetosti-XRD, napredni, hibridni in raznorodni materiali, mehansko testiranje, karakterizacija materialov.	Manufacturing technologies and systems, laser shock peening, functional surfaces, additive manufacturing of metals, application of in-process and post-process technologies, materials joining, welding technologies, corrosion testing, XRD residual stress measurements, advanced, hybrid, and dissimilar materials, mechanical testing, materials characterisation.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	uros.trdan@fs.uni-lj.si
82	doc. dr.	Jaka	Tušek	Tehnika / Procesno strojništvo / Kriogenika	Engineering sciences and technologies / Process engineering / Cryogenics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jaka.tusek@fs.uni-lj.si
83	doc. dr.	Janez	Urevc	Biomehanika in fiziološko modeliranje; srčno-žilna mehanika; mehansko obnašanje bioloških tkiv; numerično in multiskalno modeliranje; razvoj in validacija medicinskih naprav	Biomechanics and physiological modelling; cardiovascular mechanics; mechanical behaviour of biological tissues; numerical and multiscale modelling; development and validation of medical devices	Fakulteta za strojništvo	Faculty of Mechanical Engineering	janez.urevc@fs.uni-lj.si
84	izr. prof. dr.	Joško	Valentinič	Načrtovanje tehnologij in izdelkov, izdelovalne in mikroizdelovalne tehnologije, aditivne tehnologije in naknadna obdelava površin, nekonvencionalni obdelovalni procesi, konturni postopki rezanja, preoblikovanje nekovinskih gradiv, nadzor in modeliranje obdelovalnih procesov	Technology and product design, manufacturing and micromanufacturing technologies, additive manufacturing and surface post-processing, non-traditional machining, contour cutting processes, forming of non-metal materials, monitoring and modelling of machining processes	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jv@fs.uni-lj.si

85	doc. dr.	Daniele	Vella	Lasersko generirani ultrazvok, biomedicinski visokofrekvenčni ultrazvok, fotoakustične medicinske naprave in pretvorniki, fotoakustična teorija, interakcija svetloba–snov, nanomateriali in polimerni kompoziti.	Laser-generated ultrasound, biomedical high-frequency ultrasound, photoacoustic medical devices and transducers, photoacoustic theory, light–matter interaction, nanomaterials and polymer composites.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	daniele.vella@fs.uni-lj.si
86	izr. prof. dr.	Rok	Vrabič	Tehnika / Proizvodne tehnologije in sistemi / Proizvodna kibernetika	Engineering sciences and technologies / Manufacturing technologies and systems / Manufacturing cybernetics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	rok.vrabic@fs.uni-lj.si
87	izr. prof. dr.	Nikola	Vukašinović	Tehnika / Konstruiranje / Osnovna in sistemska znanja / Proizvodne tehnologije in sistemi	Engineering sciences and technologies / Mechanical design / Basic and system know-how / Manufacturing technologies and systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	nikola.vukasinovic@fs.uni-lj.si
88	doc. dr.	Rizwan	Zahoor		Multiphase flows, gas-focused liquid jets, electrically excited liquid jets, multicomponent mixing, interfacial transport phenomena, computational fluid dynamics (CFD), jet stability, jet breakup, microfluidics, high-speed flows, numerical modelling, OpenFOAM, compressible two-phase flow, interfacial dynamics.			rizwan.zahoor@fs.uni-lj.si
89	doc. dr.	Klemen	Zelič	Motorji z notranjim zgorevanjem, alternativna goriva, izpusti onesnažil, hibridni pogonski sistemi vozil, električna vozila, gorivne celice, baterije, soproizvodnja toplote in elektrike, numerično modeliranje sistemov in komponent	Internal combustion engines, piston heat engines	Fakulteta za strojništvo	Faculty of Mechanical Engineering	klemen.zelic@fs.uni-lj.si
90	znan. sod. dr.	Jure	Zevnik	Računalniška dinamika tekočin, dinamika mehurčkov, interakcija fluid-struktura.	Computational fluid dynamics, bubble dynamics, fluid-structure interaction.	Fakulteta za strojništvo	Faculty of Mechanical Engineering	jure.zevnik@fs.uni-lj.si
91	znan. sod. dr.	Mojca	Zupanc	Vodna moč, Varstvo okolja	Water power, Control and care of the environment	Fakulteta za strojništvo	Faculty of Mechanical Engineering	mojca.zupanc@fs.uni-lj.si
92	izr. prof. dr.	Matevž	Zupančič	prenos toplote in snovi; mehurčkasto vrenje; izboljššan dvofazni prenos toplote; infrardeča termografija; lasersko strukturirane površine; omočljivost površin; hidrofobnost; hidrofilnost; procesno strojništvo; membranske separacijske tehnologije; obdelava odpadnih vod; priprava tehnoloških vod; vgrajeni merilni sistemi	heat and mass transfer; nucleate boiling; enhanced two-phase heat transfer; infrared thermography; laser surface texturing; surface wettability; hydrophobic surfaces; hydrophilic surfaces; process engineering; membrane separation technology; wastewater treatment; technological water preparation; embedded measurement systems	Fakulteta za strojništvo	Faculty of Mechanical Engineering	matevz.zupancic@fs.uni-lj.si
93	doc. dr.	Andrej	Žerovnik	Konstruiranje, Specialna konstrukcijska znanja	Mechanical design / Special development know-how	Fakulteta za strojništvo	Faculty of Mechanical Engineering	andrej.zerovnik@fs.uni-lj.si
94	prof. ddr.	Janez	Žerovnik	teorija grafov, kombinatorična optimizacija, algoritmi, heuristike in metaheuristike	graph theory, combinatorial optimization, algorithms, heuristics and metaheuristics	Fakulteta za strojništvo	Faculty of Mechanical Engineering	janez.zerovnik@fs.uni-lj.si
95	doc. dr.	Urban	Žvar Baškovič	Motorji z notranjim zgorevanjem, alternativna goriva, izpusti onesnažil, hibridni pogonski sistemi vozil, električna vozila, gorivne celice, baterije, soproizvodnja toplote in elektrike, numerično modeliranje sistemov in komponent	Internal combustion engines, piston heat engines	Fakulteta za strojništvo	Faculty of Mechanical Engineering	urban.zvar-baskovic@fs.uni-lj.si