

LIST OF MENTHORS FOR YOUNG RESEARCHERS FOR 2011

No.	Fields of science	Code of researcher	Name and surname	Research area	e-mail
Natural sciences and mathematics					
1	Physics	4540	Prof. Dr. Dragan D. Mihailović	Molecular Electronics	dragan.mihailovic@ijs.si
2	Physics	7560	Prof. Dr. Maja Remškar	Research of nanomaterials, particularly inorganic nanotubes, for application in nanotechnology	maja.remskar@ijs.si
3	Physics	1105	Prof. Dr. Peter Prelovšek	Theoretical solid state physics	peter.prelovsek@ijs.si
4	Physics	10124	Prof. Dr. Zdravko Kutnjak	Thermal and dielectric properties of disordered and partially ordered novel polymeric and inorganic materials	zdravko.kutnjak@ijs.si
5	Physics	14571	Assoc. Prof. Dr. Simon Širca	Structure of strongly interacting systems by electron coincidence experiments	simon.sirca@ijs.si
6	Physics	15644	Assoc. Prof. Dr. Vid Bobnar	Condensed matter physics/Dielectric and electromechanical properties of advanced newly-developed organic and inorganic systems with giant dielectric constant	vid.bobnar@ijs.si
7	Physics	13415	Assoc. Prof. Dr. Primož Ziherl	Theoretical biophysics/ Mechanical models of structure of cell organelles	primo.ziherl@ijs.si
8	Physics	4544	Prof. Dr. Anton Ramsak	Nano physics / Correlated quantum systems / Quantum information technology	anton.ramsak@ijs.si
9	Physics	15643	Assoc. Prof. Dr. Saša Prelovšek Komelj	Theory of elementary particles/Study of hadronic properties using quantum chromodynamics on the lattice	sasa.prelovsek@ijs.si
10	Physics	11241	Assoc. Prof. Dr. Tomaž Mertelj	Experimental time-resolved optical spectroscopy in complex-electronic-structure solid-state materials	tomaz.mertelj@ijs.si
11	Experimental physics of elementary particles	8725	Prof. Dr. Peter Kržan	Experimental elementary particle physics, development of detection methods	peter.krizan@ijs.si
12	Experimental physics of elementary particles	15641	Dr. Marko Bračko	Experimental Elementary Particle Physics, Measurements of rare decays of B and D mesons	marko.bracko@ijs.si
13	Biology	7673	Assoc. Prof. Dr. Dušan Kordiš	Pathogenomics and systems biology of new virulence factors in pathogenic bacteria	dusan.kordis@ijs.si
14	Chemistry	14680	Assoc. Prof. Dr. Jernej Iskra	Research on new methods of synthesis and chemistry of peroxides based on "green" chemistry and the use of organic peroxides as bioactive compounds	jernejskra@ijs.si
15	Chemistry	8027	Dr. Antonija Lesar	Research work of candidate will be oriented to the theoretical study of the mechanism for the radical reactions of the atmospheric relevance	antonija.lesar@ijs.si
16	Biochemistry and molecular biology	1085	Prof. Dr. Vito Turk	Studies of the role of the lysosomal cysteine cathepsins in apoptosis and /or in the related protein degradation processes	vito.turk@ijs.si
17	Geology	19029	Dr. Nina Daneu	Mineralogy/ Twinning, epitaxy and phase transformations in minerals	nina.daneu@ijs.si
18	Control and care of environment	8314	Prof. Dr. Radmila Milačić	Investigation of the cycling of elements in the environment by chromatography and mass spectrometry techniques.	radmila.milacic@ijs.si
19	Control and care of environment	12315	Assoc. Prof. Dr. Ester Heath	Organic Analysis of Environmental Samples/Residues of antineoplastic pharmaceuticals in the environment	ester.heath@ijs.si
Engineering sciences and technologies					
21	Materials science and technology	8012	Prof. Dr. Danilo Suvorov	Epitaxial growth of oxide materials using pulsed laser deposition	danilo.suvorov@ijs.si
22	Materials science and technology	1360	Prof. Dr. Mihael Drofenik	Semiconducting materials with a positive temperature coefficient in the electrical resistivity (PTCR)	mihael.drofenik@ijs.si

23	Materials science and technology	3477	Prof. Dr. Tomaž Kosmač	Inorganic nonmetallic materials / Research of engineering and bio –ceramics for dental restorations	tomaz.kosmac@ijs.si
24	Materials science and technology	6423	Dr. Janez Holc	Synthesis and characterisation of multiferroics	janez.holc@ijs.si
25	Materials science and technology	10372	Prof. Dr. Darko Makovec	Functionalization of magnetic nanoparticles for biomedical applications and preparation of multifunctional nanocomposites	darko.makovec@ijs.si
26	Materials science and technology	6627	Assoc. Prof. Dr. Slavko Bernik	ZnO-based ceramics for electronics and oxide thermoelectric materials	slavko.bernik@ijs.si
27	Materials science and technology	4355	Prof. Dr. Spomenka Kobe	Study of one and two-dimensional intermetallic and magnetic nanostructures	spomenka.kobe@ijs.si
28	Materials science and technology	18271	Assoc. Prof. Dr. Miha Čekada	Inorganic nonmetallic materials/Deposition and characterization of nanostructured hard coatings	miha.cekada@ijs.si
29	Computer science and informatics	11130	Prof. Dr. Sašo Džeroski	Design and use of machine learning methods with complex quality criteria	saso.dzeroski@ijs.si
30	Computer science and informatics	8949	Prof. Dr. Nada Lavrač	Relational data mining	nada.lavrac@ijs.si
31	Computer science and informatics	2749	Prof. Dr. Marko Bohanec	Decision models and decision support systems	marko.bohanec@ijs.si
32	Telecommunications	1339	Prof. Dr. Borka Džonova Jerman B.	Internet technologies and applications	borka.jerman-blazic@ijs.si
33	Electronic components and technologies	15703	Assoc. Prof. Dr. Janez Kovač	Surfaces and thin films/Study of thin organic and inorganic films for electronic devices, sensors and functional coatings	janez.kovac@ijs.si
34	Electronic components and technologies	13369	Assoc. Prof. Dr. Danjela Kuščer Hrovatin	Advanced materials and technologies for flexible electronic	danjela.hrovatin@ijs.si
35	Manufacturing technologies and systems	11772	Assoc. Prof. Dr. Aleš Ude	Robot learning	ales.ude@ijs.si
36	Process engineering	7025	Prof. Dr. Leon Cizelj	Modeling the response of the nuclear power plant components to the thermal and mechanical loads	leon.cizelj@ijs.si
Interdisciplinary studies					
37	Interdisciplinary studies	5027	Prof. Dr. Milena Horvat	Environmental analytical chemistry: speciation of trace elements in industry	milena.horvat@ijs.si
38	Interdisciplinary studies	7317	Prof. Dr. Boris Majaron	Biomedical Optics	boris.majaron@ijs.si
39	Interdisciplinary studies	20048	Assoc. Prof. Dr. Alenka Vesel	Plasma modification of polymer materials for selective adhesion of cells and proteins	alenka.vesel@ijs.si
40	Interdisciplinary studies	12314	Assoc. Prof. Dr. Primož Pelicon	Application of high-energy focused ion beams for biomedical research.	primoz.pelicon@ijs.si