

LIST OF MENTHORS FOR YOUNG RESEARCHERS FOR 2013

No.	Fields of science	Code of researcher	Name and surname	Research area	e- naslov
NATURAL SCIENCES AND MATHEMATICS					
1	Physics	4763	prof. dr. Marko Mikuž	Measurement of Proton-Proton Collisions with the ATLAS Detector at LHC in CERN	marko.mikuz@ijs.si
2	Physics	3939	prof. dr. Janez Dolinšek	Experimental solid state physics, quasicrystals, complex metallic alloys and nanomaterials, electrical, magnetic and thermal properties	janez.dolinsek@ijs.si
3	Physics	9089	prof. dr. Igor Muševič	Experimental soft-matter physics/experimental topology and photonics of nematic colloids	igor.musevic@ijs.si
4	Physics	7560	prof. dr. Maja Remškar	Microscopy and spectroscopic characterization of molybdenum and tungsten based nanomaterials and their respective polymer nanocomposites in directions of applications in sensorics, tribology and nanoelectronics	maja.remskar@ijs.si
5	Physics	8725	prof. dr. Peter Križan	Experimental elementary particle physics, rare B decays, development of detection methods	peter.krizan@ijs.si
6	Physics	18277	dr. Andrej Gorišek	Experimental particle physics	andrej.gorisek@ijs.si
7	Physics	13415	prof. dr. Primož Zihel	Mechanical models of epithelial tissues	primoz.zihel@ijs.si
8	Physics	28720	doc. dr. Christoph Gadermaier	Hybrid organic-inorganic electronics based on conjugated polymers and layered transition metal chalcogenides	christoph.gadermaier@ijs.si
9	Physics	21558	dr. Andrej Zorko	Magnetism in geometrically frustrated spin systems	andrej.zorko@ijs.si
10	Chemistry	1290	prof. dr. Ingrid Milošev	Development and investigation of modern, environmental-friendly methods for corrosion protection of technologically important alloys based on electrochemical methods.	ingrid.milosev@ijs.si
11	Chemistry	16188	dr. Anton Kokalj	Training of young researchers will be held in the field of physical chemistry and deals with quantum-chemical molecular modeling of physico-chemical surface processes that are relevant to both corrosion and heterogeneous (electro)catalysis	anton.kokalj@ijs.si
12	Chemistry	10083	doc. dr. Aleksander Rečnik	Atomic-scale investigations of initial stages of phase transformations in	aleksander.recnik@ijs.si

13	Chemistry	21556	doc. dr. Gašper Tavčar	Preparation of soluble metal fluorides, with the help of N-heterocyclic carbenes	gasper.tavcar@ijs.si
14	Bioch. and molec. biology	7849	prof. dr. Borut Štrukelj	Protein engineering of recombinant lactic acid bacteria with surface-expressed ligands against proinflammatory cytokines	borut.strukelj@ijs.si
15	Bioch. and molec. biology	7561	prof. dr. Boris Turk		boris.turk@ijs.si
16	Bioch. and molec. biology	4988	prof. dr. Dušan Turk	Proteins involved in the processing of antigenic determinants from pathogenic organisms using the methods of molecular and structural biology	dusan.turk@ijs.si
17	Bioch. and molec. biology	18801	doc. dr. Marko Fonović	Candidate will apply proteomic and molecular biology methodology for determination of physiological influence of membrane substrate proteolysis on the processes of cancerogenesis	marko.fonovic@ijs.si
18	Control and care of environment	8314	prof. dr. Radmila Milačič	By the use of different methods of liquid chromatography hyphenated to inductively coupled plasma mass spectrometry young investigator will study the cycling of elements in the environment	radmila.milacic@ijs.si

ENGINEERING SCIENCES AND TECHNOLOGIES

19	Engineering	8557	doc. dr. Andrej Trkov		andrej.trkov@ijs.si
20	Engineering	19167	dr. Igor Lengar	Transport calculations for fusion reactors – emphasis on calculations for the largest fusion reactor Joint European Torus – JET, Great Britain	igor.lengar@ijs.si
21	Materials	8012	prof. dr. Danilo Suvorov	Inorganic non-metal materials	danilo.suvorov@ijs.si
22	Materials	10372	prof. dr. Darko Makovec	Synthesis of multifunctional nanocomposite particles using coating of magnetic layers onto core nanoparticles	darko.makovec@ijs.si
23	Materials	4292	doc. dr. Saša Novak Kmpotič	Development of processes for forming biodegradable composite materials reinforced with bioactive glass for tissue engineering application	sasa.novak@ijs.si
24	Materials	19169	doc. dr. Boštjan Jančar	Development of oxide thermoelectric materials	bostjan.jancar@ijs.si
25	Computer science and informatics	11130	prof. dr. Sašo Džeroski	Learning Models for Predicting Structured Outputs from Data Streams	saso.dzeroski@ijs.si

26	Computer science and informatics	8949	prof. dr. Nada Lavrač	Data mining methods for heterogeneous information network analysis	nada.lavrac@ijs.si
27	Telecommun.	15087	doc. dr. Mihael Mohorčič	Development and performance evaluation of interactive procedures for cooperative spectrum sensing to support geolocation-based radio frequency spectrum sharing	mihael.mohorcic@ijs.si
28	Electronic comp. and technologies	10429	prof. dr. Miran Mozetič	Heterogeneous reactions of atomic hydrogen and nitrogen in fusion devices	miran.mozetic@ijs.si
29	Electronic comp. and technologies	4587	prof. dr. Barbara Malič	Functional properties and microstructure of 2D-structures	barbara.malic@ijs.si
30	Manufacturing techn. and systems	11772	doc. dr. Aleš Ude	Autonomous learning and adaptation of robot movements for bimanual manipulation and environment-coupled behaviors	ales.ude@ijs.si
BIOTECHNICAL SCIENCES					
31	Plant production	1873	prof. dr. Vekoslava Stibilj	The work of young investigator is to develop the methods for selenium and iodine compounds in plants	vekoslava.stibilj@ijs.si