

LIST OF DISSERTATIONS TOPICS FOR DOCTORAL STUDIES COURSES IN 2020

NATURAL SCIENCES

Scientific area	Topics of doctoral dissertations	Supervisors
INFORMATICS – N 009	1. <i>Computational modelling of physical, chemical, biological and social systems</i>	Prof. Romas Baronas Doc. Pranas Katauskis Prof. Darius Plikynas
	2. <i>Big data mining</i>	Doc. Igoris Belovas Prof. Audronė Jakaitienė Dr. Virginijus Marcinkevičius Dr. Viktor Medvedev Prof. Olegas Vasilecas Prof. Julius Žilinskas Prof. Erinija Pranckevičienė
	3. <i>Visualization of multidimensional data</i>	Prof. Gintautas Dzemyda Prof. Olga Kurasova
	4. <i>Optimization algorithms and their applications</i>	Doc. Algirdas Lančinskas Dr. Remigijus Paulavičius Prof. Julius Žilinskas
	5. <i>Artificial intelligence and machine learning</i>	Doc. Igonis Belovas Dr. Jolita Bernatavičienė Prof. Gintautas Dzemyda Prof. Olga Kurasova Dr. Virginijus Marcinkevičius Dr. Viktor Medvedev Prof. Aistis Raudys

		Prof. Darius Plikynas Doc. Gintautas Tamulevičius Doc. Povilas Treigys
	6. <i>Computational complexity: the lower bounds problem</i>	Prof. Stasys Jukna
	7. <i>Operations research</i>	Doc. Igoris Belovas Prof. Leonidas Sakalauskas
	8. <i>Artificial neural networks, deep learning</i>	Dr. Jolita Bernatavičienė Prof. Gintautas Dzemyda Prof. Olga Kurasova Dr. Virginijus Marcinkevičius Dr. Viktor Medvedev Doc. Gintautas Tamulevičius Doc. Povilas Treigys
	9. <i>Information systems and decision making</i>	Prof. Saulius Gudas
	10. <i>Artificial intelligence and machine learning methods for signal modelling</i>	Dr. Jolita Bernatavičienė Dr. Gražina Korvel Doc. Gintautas Tamulevičius Doc. Povilas Treigys