

STRUCTURE OF THE DOCTORAL STUDY SUBJECT

Title of the subject	Field of science (branch) code	Faculty	Department
Legal Regulation of Artificial Intelligence	Law (S 001)	Law	Private Law
Study method	Number of credits	Study method	Number of credits
Lectures	-	consultations	2
Individual work	4	seminars	-
Subject annotation			
<p>The subject of legal regulation of artificial intelligence is designed to develop the ability to deepen the regulatory context of the development and application of artificial intelligence methods, emerging ethical challenges and institutional capacity to respond to the development and application of IoT methods in practice. This ability will be developed by the doctoral student independently studying the special literature (the main sources are listed below) and by critically analyzing the legal acts and case law related to the subject of the study subject.</p> <p>Topics analyzed: the main challenges posed by human rights and ethics in the development and application of artificial intelligence methods; major global trends in the development and application of artificial intelligence methods; adaptation of the regulatory environment, national and supranational legal systems to the effective and ethical application of IoT methods; scientific discussions on the responsibilities of artificial intelligence; Cases, potential and problems of applying artificial intelligence in the field of law.</p> <p>After completing the study, the doctoral student will have the necessary basic knowledge about the current regulatory environment of IoT methods, will be able to identify the most important international documents regulating the development and application of IoT methods, will be competent to assess the problematic legal situations related to the practical application of artificial intelligence methods. Also, the doctoral student will be able to analyze the selected ethical or other problem of legal regulation caused by the development and application of artificial intelligence methods in a broader context of theoretical problems of law, to apply various methods of legal research to the assessment and solution of the problem.</p>			
Main literature			
1. <i>Artificial Intelligence: Law and Regulation</i> . Editor Ch. Kerrigan. Edward Elgar Publishing Ltd., 2022;			
2. BALKIN, J., The Three Laws of Robotics in the Age of Big Data, <i>Ohio State Law Journal</i> , Vol. 78, 2017;			
3. BODDINGTON, P., <i>Towards a Code of Ethics for Artificial Intelligence</i> . Springer, 2017;			
4. BUITEN, M. C., Towards Intelligent Regulation of Artificial Intelligence, <i>Symposium on Regulating the Risk of Disruptive Technology</i> , Vol. 10, Issue 1, 2019, p. 41-59;			
5. CALO, R., Robots and Privacy. In <i>Robot Ethics: The Ethical and Social Implications of Robotics</i> , The MIT Press, 2012;			
6. HALLEVY, G., <i>Liability for Crimes Involving Artificial Intelligence Systems</i> . Springer, 2016;			
7. KROLL, J. A. et al. Accountable Algorithms, <i>University of Pennsylvania Law Review</i> , Vol. 165 (3), 2017, p. 633-706;			
8. <i>Liability for Artificial Intelligence and Internet of Things</i> . Editors: S. Lohsse, R. Schulze, D. Staudenmayer. Nomos, 2018;			
9. RASO, F. A. et al. <i>Artificial Intelligence & Human Rights: Opportunities & Risks</i> . Berkman Klein Center for Internet & Society at Harvard University, Research Publication No. 2018-6, 2018, < http://dx.doi.org/10.2139/ssrn.3259344 >;			
10. REED, C., How should we regulate artificial intelligence? <i>Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , Vol. 376, Issue 2128, 2018, < https://doi.org/10.1098/rsta.2017.0360 >;			
11. <i>Robotics, AI and the Future of Law</i> . Editors: M. Corrales, M. Fenwick, N. Forgó. Springer, 2018;			

12. SCHERER, M. U., Regulating Artificial Intelligence Systems: Risks, Challenges, Competences, and Strategies, <i>Harvard Journal of Law & Technology</i> , Vol. 29 (2), 2016, p. 353-400;		
13. ZEKOS G.I., <i>Economics and Law of Artificial Intelligence: Finance, Economic Impacts, Risk Management and Governance</i> , Springer, 2021;		
14. <i>Artificial Intelligence and Data Protection: Challenges and Possible Remedies</i> . Consultative Committee of the Convention for the Protection of Individuals with regard to Automatic Processing of Personal Data, 2018, < https://rm.coe.int/report-on-artificial-intelligence-artificial-intelligence-and-data-pro/16808e6012 >;		
15. <i>Ethics Guidelines for Trustworthy AI</i> . High-Level Expert Group on Artificial Intelligence (an independent expert group that was set up by the European Commission in June 2018), 2019, < https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=60419 >;		
16. Artificial Intelligence and Law, < https://link.springer.com/journal/10506 >.		
Names, surnames of advising lecturers	Science degree	Major works in the area (direction) of science published over the last 5 years
Tomas Davulis	Prof. dr.	DAVULIS T. New forms of employment in Lithuania. New forms of employment in Europe. Alphen aan den Rijn : Wolters Kluwer, 2016. p. 115-143.
		DAVULIS T. Uber and taxis: a comparative law study in Lithuania. In: <i>Uber and Taxis: Comparative Law Studies</i> (Eds. Rozen Noguellou, David Renders), Larcier, 2018, p. 293-308.
		DAVULIS T. <i>Lietuvos Respublikos darbo kodekso komentaras (Commentary of the Labour Code of the Republic of Lithuania)</i> . Vilnius, 2018, 770 p.
		DAVULIS T. The concept of 'employee': the position in Lithuania. In: <i>Restatement of Labour Law in Europe</i> . Vol. I: The Concept of Employee (Eds. Bernd Waas, Guus Heerma van Voss). Oxford: Hart Publishing, 2017, p. 391-404.
Rimantas Simaitis	Doc. Dr.	SIMAITIS, R., VĖBRAITĖ, V., MARKEVIČIŪTĖ, M. „European Small Claims Procedure in the Realm of the other European Proceedings”. In <i>Revista Italo-Espanola de Derecho Procesal (Italian-Spanish Journal of Procedural Law)</i> , Vol. 1 2022 Small claims, Madrid: Marcial Pons Ediciones Juridicas y Sociales, 2022, p. 123-136 (ISSN: 2605-5244).
		SIMAITIS, R., MARKEVIČIŪTĖ, M. „Introducing equitative algorithms into the legal realm“. In <i>The European common ground of available rights / ed. by Martucceli S., Romeo F., Giacalone M.</i> – Napoli: Editoriale Scientifica s.r.l., 2020, p. 31-44 (ISBN 978-88-9391-626-4).
		SIMAITIS, R. „Turto dalijimo ginčų algoritmizavimo problemos ir perspektyvos”. In <i>Daiktinės teisės: ar privatinės teisės pamatai atlaikys XXI a. iššūkius? / sud. Didžiulis L.</i> – Vilnius: Žuvėdra, 2020 (ISBN 978-609-8219-44-9).
		SIMAITIS, R., MARKEVIČIŪTĖ, M., VĖBRAITĖ, V. „The Implementation of the European Small Claims Procedure in Lithuania”. In <i>EuCML. Journal of European Consumer and Market Law</i> , Issue 6/2020, vol. 9, Munich: C.H. Beck, Wolters Kluwer, Nomos, 2020, p. 276-270.

Donatas Murauskas	Dr.	MURAUSKAS, D. Teismo sprendimas – tai pasakojimas ar statistika? Konstitucinio Teismo sprendimo aiškumo standarto svarba skaitmenizuojant teismų procesus. Iš <i>Kelyje su Konstitucija</i> (vyr. red. B. Sudavičius). Vilniaus universiteto leidykla, 2022.
		MURAUSKAS, D. Predictive Analytics in Crime Prevention and the European Convention on Human Rights: Addressing Risks in Privacy and Fair Trial Frameworks. <i>Acta Universitatis Lodzianis Folia Iuridica</i> . Vol. 97, 2021
		MURAUSKAS, D. Dirbtinis intelektas priimant teismo sprendimą – algoritmų klasifikavimas remiantis teisinio kvalifikavimo stadijomis. <i>Teisė</i> , 115 t., 2020.
		MURAUSKAS, D. Execution of Judgments of the European Court of Human Rights: Lithuanian Case. Iš <i>Legal Developments During 30 Years of Lithuanian Independence. Overview of Legal accomplishments and challenges in Lithuania</i> (eds. G. Švedas, D. Murauskas), Springer, 2021.
Approved by the Doctoral Committee of Law Science of Vilnius university on May 12, 2023, protocol No. (7.17 E) 15600-KT-209		
Chairman of the Doctoral Committee		prof. habil. dr. G. Švedas