

Publication list 2019

Report date: 2020-01-08
Period: 2019-01-01 - 2019-12-31
Object type: Publication database
Institution: Vilnius University (company code: 211950810)
Subdivisions: Faculty of Mathematics and Informatics > Data Science and Digital Technologies Institute (111400); Institute of Mathematics and Informatics (580000)

1	P1 - Articles in peer-reviewed publications publishing conference proceedings
1	P1a - Article in Conference Proceedings DB Clarivate Analytics Web of Science
1	James, Calvin; Žilinskas, Antanas . On efficiency of bicriteria optimization // 14th International global optimization workshop (LeGO), Leiden, Netherlands, September 18-21, 2018 / edited by: Emmerich, MTM; Deutz, AH; Hille, SC; Sergeyev, YD. Melville : American Institute of Physics, 2019, art. no. 020035. ISBN 9780735417984. p. [1-4]. (AIP Conference Proceedings, ISSN 0094-243X ; vol. 2070). DOI: 10.1063/1.5090002. [DB: Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 0,500] [Scientific direction: N 009]
2	Lančinskas, Algirdas ; Fernandez, Pascual; Pelegrin, Blas; Žilinskas, Julius . Ranking-based algorithm for facility location with constraints // 14th international global optimization workshop (LeGO), 18-21 September 2018, Leiden, The Netherlands : proceedings. Melville : American Institute of Physics, 2019, art. no. 020030. ISBN 9780735417984. p. [1-4]. (AIP Conference Proceedings, ISSN 0094-243X ; vol. 2070). DOI: 10.1063/1.5089997. [DB: Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 0,500] [Scientific direction: T 007,N 009]
3	Laužikas, Rimvydas; Plikynas, Darius . Towards conceptually novel oscillating agent-based simulation of the relationship between cultural participation and social capital // Modeling and simulation of social-behavioral phenomena in creative societies. Cham : Springer Nature Switzerland AG, 2019. ISBN 9783030298616. eISBN 9783030298623. p. 126-144. (Communications in Computer and Information Science, ISSN 1865-0929 ; vol. 1079). DOI: 10.1007/978-3-030-29862-3_10. [Contribution: 0,500] [Scientific direction: S 008,N 001]
4	Matulevičius, Raimundas; Savukynas, Raimundas . Application of the reference model for security risk management in the Internet of Things systems // Databases and information systems X : 13th international Baltic conference on databases and information systems, DB&IS 2018, held in Trakai, Lithuania, in July 2018 / editors: Audrone Lupeikiene, Olegas Vasilecas, Gintautas Dzemyda. Cham : IOS Press, 2019. ISBN 9781614999409. eISBN 9781614999416. p. 65-78. (Frontiers in artificial intelligence and applications, ISSN 0922-6389, eISSN 1879-8314 ; vol. 315). DOI: 10.3233/978-1-61499-941-6-65. [Contribution: 0,500] [Scientific direction: T 007]
5	Plikynas, Darius ; Laužikas, Rimvydas; Sakalauskas, Leonidas ; Miliauskas, Arūnas ; Dulskis, Vytautas . Agent-based simulation of cultural events impact on social capital dynamics // IntelliSys 2019: intelligent systems and applications : proceedings of SAI intelligent systems conference. Cham : Springer Nature Switzerland AG, 2019. ISBN 9783030295158. eISBN 9783030295165. p. 1138-1154. (Advances in Intelligent Systems and Computing ; vol. 1037). DOI: 10.1007/978-3-030-29516-5_84. [DB: Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 0,800] [Scientific direction: S 008,N 001]
6	Raižienė, Saulė ; Stumbrienė, Dovilė ; Ringienė, Laura ; Dukynaitė, Rita ; Jakaitienė, Audronė . Students' performance and teaching practices in science across EU countries: evidence from PISA2015 // European proceedings of social & behavioural sciences :: 9th ICEEPSY 2018 International Conference on Education and Educational Psychology. London : Future Academy. eISSN 2357-1330. 2019, vol. 53, p. 241-254. DOI: 10.15405/epsbs.2019.01.24. [DB: Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 1,000] [Scientific direction: N 009,S 006]
7	Žilinskas, Antanas . Including the derivative information into statistical models used in global optimization // 14th International global optimization workshop (LeGO), Leiden, Netherlands, September 18-21, 2018 / edited by: Emmerich, MTM; Deutz, AH; Hille, SC; Sergeyev, YD. Melville : American Institute of Physics, 2019, art. no. 020020. ISBN 9780735417984. p. [1-4]. (AIP conference proceedings, ISSN 0094-243X ; vol. 2070). DOI: 10.1063/1.5089987. [Contribution: 1,000] [Scientific direction: N 009]
8	Žilinskas, Antanas ; Zhigljavsky, Anatoly; Nekrutkin, Vladimir; Kornikov, Vladimir. Selection of a covariance kernel for a Gaussian random field aimed for modeling global optimization problems // 14th International global optimization workshop (LeGO), Leiden, Netherlands, September 18-21, 2018 / edited by: Emmerich, MTM; Deutz, AH; Hille, SC; Sergeyev, YD. Melville : American Institute of Physics, 2019, art. no. 020043. ISBN 9780735417984. p. [1-4]. (AIP Conference Proceedings, ISSN 0094-243X ; vol. 2070). On the Internet: < https://doi.org/10.1063/1.5090010 > [seen 2019-12-04]. [DB: Conference Proceedings Citation Index - Science (Web of Science)] [Contribution: 0,250] [Scientific

2 **P1c - Article in conference proceedings in other databases**

- 1 Dagiėnė, Eleonora; Kriščiūnas, Andrius; Tautkevičienė, Gintarė; **Maskeliūnas, Saulius**. Impact of national research assessment exercises on monographs and scholarly books authored by the Lithuanian researchers // ISSI 2019: 17th international conference of the international society for scientometrics and informetrics, 2-5 September, Rome, Italy: proceedings. Leuven : International Society for Scientometrics and Informetrics, 2019. ISBN 9788833811185. p. 2716-2717. On the Internet: <<https://www.scopus.com/inward/record.uri?partnerID=HzOxMe3b&scp=85073870370&origin=inward>> [seen 2019-10-30]. [DB: Scopus] [Contribution: 0,250] [Scientific direction: T 007,S 007]
- 2 Dagiėnė, Valentina; **Jevsikova, Tatjana**; Stupurienė, Gabrielė. Introducing informatics in primary education: curriculum and teachers' perspectives // Informatics in schools. New ideas in school informatics : 12th international conference on informatics in schools: situation, evolution, and perspectives, ISSEP 2019, Larnaca, Cyprus, November 18–20, 2019 : proceedings. Cham : Springer, 2019. ISBN 9783030337582. eISBN 9783030337599. p. 83-94. (Lecture notes in computer science, ISSN 0302-9743, eISSN 1611-3349 ; vol. 11913). DOI: 10.1007/978-3-030-33759-9_7. [DB: SpringerLink] [Contribution: 0,333] [Scientific direction: S 007]
- 3 **Juškevičienė, Anita**. Teaching content development for computational thinking skills implementation // ICERI 2019: 12th annual international conference of education, research and innovation, 11th-13th November, 2019, Seville, Spain : proceedings. Seville : IATED Academy, 2019. ISBN 9788409147557. p. 1364-1372. (ICERI Proceedings, ISSN 2340-1095). DOI: 10.21125/iceri.2019.0409. [DB: IATED digital library] [Contribution: 1,000] [Scientific direction: S 007,T 007]
- 4 **Korvel, Gražina; Kurasova, Olga**; Kostek, Bozena. An attempt to create speech synthesis model that retains Lombard effect characteristics // ICETE 2019 : Proceedings of the 16th International Joint Conference on e-Business and Telecommunications, Prague; Czech Republic; 26-28 July 2019. Vol. 1. Setúbal : SciTePress, 2019. ISBN 9789897583780. p. 280-289. DOI: 10.5220/0007854302800289. [DB: Scopus] [Contribution: 0,667] [Scientific direction: T 007]
- 5 **Lančinskas, Algirdas; Žilinskas, Julius**; Fernandez, Pascual; Pelegrin, Blas. Ranking-based discrete optimization algorithm for asymmetric competitive facility location // GECCO '19 : proceedings of the genetic and evolutionary computation conference companion, Prague, Czech Republic, July 13 - 17, 2019. New York : Association for Computing Machinery, 2019. ISBN 9781450367486. p. 149-150. DOI: 10.1145/3319619.3321893. [DB: ACM Digital Library] [Contribution: 0,500] [Scientific direction: N 009,T 007]
- 6 Natalia, Markovich; **Vaičiulis, Marijus**. Modification of moment-based tail index estimator: sums versus maxima // Nonparametric statistics: 3rd ISNPS, Avignon, France, June 2016 / Editors : Patrice Bertail, Delphine Blanke, Pierre-André Cornillon, Eric Matzner-Løber. Cham : Springer International Publishing, 2018. ISBN 9783319969404. eISBN 9783319969411. p. 85-101. (Springer proceedings in mathematics & statistics, ISSN 2194-1009, eISSN 2194-1017 ; vol. 250). DOI: 10.1007/978-3-319-96941-1_6. [DB: SpringerLink] [Contribution: 0,500] [Scientific direction: N 001]
- 7 Pears, Arnold; Barendsen, Erik; Dagiėnė, Valentina; **Dolgopolas, Vladimiras**; Jasutė, Eglė. Holistic STEAM education through computational thinking: a perspective on training future teachers // Informatics in schools. New ideas in school informatics : 12th international conference on informatics in schools: situation, evolution, and perspectives, ISSEP 2019, Larnaca, Cyprus, November 18–20, 2019 : proceedings. Cham : Springer, 2019. ISBN 9783030337582. eISBN 9783030337599. p. 41-52. (Lecture notes in computer science, ISSN 0302-9743, eISSN 1611-3349 ; vol. 11913). DOI: 10.1007/978-3-030-33759-9_4. [Contribution: 0,200] [Scientific direction: S 007]
- 8 **Valatavičius, Andrius; Gudas, Saulius**. Measuring enterprise application software interoperability capability // Joint Proceedings of Baltic DB&IS 2018 Conference Forum and Doctoral Consortium co-located with the 13th International Baltic Conference on Databases and Information Systems (Baltic DB&IS 2018), Trakai, Lithuania, July 1-4, 2018 / edited by Audronė Lupeikienė, Raimundas Matulevičius, Olegas Vasilecas. Aachen : CEUR-WS. 2018, p. 104-113. (CEUR workshop proceedings, ISSN 1613-0073 ; vol. 2158). On the Internet: <<http://ceur-ws.org/Vol-2158/paper11.pdf>> [seen 2019-01-04]. [Contribution: 1,000] [Scientific direction: T 007,N 009]

3 **P1d - Article in peer-reviewed foreign international conference proceedings**

- 1 **Belovas, Igoris**. Modeling Baltic market indices: a comparison of models // Computer data analysis and modeling: stochastics and data science : proceedings of the XII international conference, Minsk, September 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 144-147. On the Internet: <<http://elib.bsu.by/handle/123456789/233315>> [seen 2019-12-18]. [Contribution: 0,500] [Scientific direction: N 001]
- 2 **Dučinskas, K.**; Dreiziene, L. Spatial model selection based on hybrid performance measure of linear classifier // Computer data analysis and modeling: stochastics and data science : proceedings of the twelfth international conference : Minsk, September 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 17-20. Prieiga per

	<p>interneta: http://elib.bsu.by/bitstream/123456789/233316/1/Computer%20Data%20Analysis%20and%20Modeling.pdf. [Contribution: 0,250] [Scientific direction: N 009,N 001]</p>
3	<p>Dzemyda, Gintautas; Sabaliauskas, Martynas. New method to minimize the stress in multidimensional scaling // Computer data analysis and modeling: stochastics and data science : proceedings of the XII international conference, Minsk, September 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 29-31. On the Internet: http://elib.bsu.by/handle/123456789/233315 [seen 2019-12-18]. [Contribution: 1,000] [Scientific direction: T 007]</p>
4	<p>Jukna, Stasys; Lingas, Andrej. Lower bounds for circuits of bounded negation width // 36th International symposium on theoretical aspects of computer science (STACS 2019), March 13-16, 2019, Berlin, Germany / Editors: Rolf Niedermeier and Christophe Paul. Wadern : Leibniz-Zentrum für Informatik, Dagstuhl Publishing, 2019, art. no. 41. ISBN 9783959771009. p. [1-17]. (LIPICS, ISSN 1868-8969 ; 126). DOI: 10.4230/LIPIcs.STACS.2019.41. [Contribution: 0,500] [Scientific direction: N 001]</p>
5	<p>Karaliutė, Marta; Dučinskas, Kęstutis; Šaltytė-Vaisiauskė, Laura. Expected error rate in linear discrimination of balanced spatial Gaussian time series // Computer data analysis and modeling: stochastics and data science : proceedings of the XII international conference, Minsk, September 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 172-175. On the Internet: http://elib.bsu.by/bitstream/123456789/233358/1/172-175.pdf [seen 2019-12-17]. [Contribution: 0,501] [Scientific direction: N 001,N 009]</p>
6	<p>Minkevičius, Saulius. Fluid limits for the waiting time of a customer in multiphase queues // Computer data analysis and modeling: stochastics and data science : proceedings of the XII international conference, Minsk, September 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 249-253. On the Internet: http://elib.bsu.by/handle/123456789/233315 [seen 2019-12-18]. [Contribution: 1,000] [Scientific direction: T 007]</p>
7	<p>Navickas, Gediminas; Korvel, Gražina; Bernatavičienė, Jolita. Overview of speech synthesis using LSTM neural networks // Computer data analysis and modeling: stochastics and data science : proceedings of the XII international conference, Minsk, September 18-22, 2019: Proceedings of the XII International Conference, Minsk Spet. 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 257-261. On the Internet: http://elib.bsu.by/handle/123456789/233315 [seen 2019-12-18]. [Contribution: 1,000] [Scientific direction: N 009]</p>
8	<p>Venskus, Julius; Treigys, Povilas. Meteorological data influence on missing Vessel type detection using deep Multi-Stacked LSTM neural network // Computer data analysis and modeling: stochastics and data science : proceedings of the XII international conference, Minsk, September 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 307-310. On the Internet: http://elib.bsu.by/handle/123456789/233315 [seen 2019-12-18]. [Contribution: 1,000] [Scientific direction: T 007]</p>
9	<p>Venskus, Julius; Treigys, Povilas. Preparation of training data by filling in missing vessel type data using deep multi-stacked LSTM neural network for abnormal marine transport evaluation // ITISE 2019 : International Conference on Time Series and Forecasting : proceedings of abstracts. Granada, Spain, September, 25-27, 2019. Granada : Universidad de Granada, 2019. ISBN 9788417970796. p. 38. [Contribution: 1,000] [Scientific direction: T 007]</p>
10	<p>Zikarienė, Eglė; Dučinskas, Kęstutis. Implementation of generalized additive models for spatial beta regression // Computer data analysis and modeling: stochastics and data science : proceedings of the XII international conference, Minsk, September 18-22, 2019. Minsk : Belarusian State University, 2019. ISBN 9789855668115. p. 341-343. On the Internet: http://elib.bsu.by/handle/123456789/233315 [seen 2019-12-18]. [Contribution: 1,000] [Scientific direction: N 009]</p>
2	<p>S - Straipsniai serialiniuose ir vienkartinuose leidiniuose</p>
1	<p>S1 [IF] Article DB Clarivate Analytics Web of Science with Impact Factor</p>
1	<p>Alonderis, Romas; Giedra, Haroldas. A proof-search system for the logic of likelihood // Logic journal of the IGPL. Oxford : Oxford University Press. ISSN 1367-0751. 2019, first on line, p. [1-21]. DOI: 10.1093/jigpal/jzz022. [DB: Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 1,000] [Citav. rod.: 0.609 (2018, SCIE)] [Scientific direction: N 009,N 001]</p>
2	<p>Belovas, Igoris. A central limit theorem for coefficients of the modified Borwein method for the calculation of the Riemann zeta-function // Lithuanian mathematical journal. New York : Springer Science+Business Media. ISSN 0363-1672. eISSN 1573-8825. 2019, vol. 59, no. 1, p. 17-23. DOI: 10.1007/s10986-019-09421-4. [DB: Zentralblatt MATH (zbMATH); MatSciNet; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 1,000] [Citav. rod.: 0.566 (2018, SCIE)] [Scientific direction: N 001]</p>
3	<p>Belovas, Igoris. A local limit theorem for coefficients of modified Borwein's method // Glasnik matematički. Ser.III. Zgreb : Hrvatsko Matematičko Društvo. ISSN 0017-095X. 2019, vol. 54, no. 1, p. 1-9. On the Internet: https://web.math.pmf.unizg.hr/glasnik/forthcoming/pGM6179.pdf [seen 2019-01-28]. [DB: Zentralblatt MATH]</p>

	(zbMATH); MatSciNet; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 0.554 (2018, SCIE)] [Scientific direction: N 001]
4	Belovas, Igoris. An inequality for the Selberg zeta-function, associated to the compact Riemann surface // <i>Analele Stiintifice ale Universitatii Ovidius Constanta-Seria Matematica</i> . Constanta : Ovidius University Press. ISSN 1224-1784. eISSN 1844-0835. 2019, vol. 27, iss. 3, p. 37-44. On the Internet: < http://www.anstuocmath.ro/mathematics/anale2019vol3/3_Belovas%20I.pdf > [seen 2019-11-22]. [DB: DOAJ; Scopus; Science Citation Index Expanded (Web of Science); Zentralblatt MATH (zbMATH); Mathematical Reviews] [Contribution: 1,000] [Citav. rod.: 0.638 (2018, SCIE)] [Scientific direction: N 001]
5	Belovas, Igoris; Sakalauskas, Leonidas. An inequality for the modulus of the ratio of two complex gamma functions // <i>Miskolc mathematical notes</i> . Miskolc : University of Miskolc. ISSN 1787-2405. eISSN 1787-2413. 2019, vol. 20, no 1, p. 115-130. DOI: 10.18514/MMN.2019.2543. [DB: Zentralblatt MATH (zbMATH); Academic Search Premier; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,250] [Citav. rod.: 0.468 (2018, SCIE)] [Scientific direction: T 007,N 001]
6	Butkus, Vygtantas; Norvaiša, Rimas. Computation of p-variation // <i>Lithuanian mathematical journal</i> . New York : Springer Science+Business Media. ISSN 0363-1672. eISSN 1573-8825. 2018, vol. 58, no. 4, p. 360-378. DOI: 10.1007/s10986-018-9414-3. [DB: Zentralblatt MATH (zbMATH); MatSciNet; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 0.566 (2018, SCIE)] [Scientific direction: N 001]
7	Čiegis, Raimondas; Starikovičius, Vadimas; Margenov, Svetozar; Kriauzienė, Rima. Scalability analysis of different parallel solvers for 3D fractional power diffusion problems // <i>Concurrency and computation: practice and experience: Special issue: Special issue on Algorithmic Advances in Parallel Architectures and Energy Efficient Computing (PPAM2017) and Recent Advances in Machine Learning for Cyber-security (MLCSec2018)</i> . Hoboken : John Wiley & Sons, Ltd. ISSN 1532-0626. eISSN 1532-0634. 2019, vol. 31, iss. 19, p. 1-12. DOI: 10.1002/cpe.5163. [DB: Compendex; Computer Science Index; INSPEC; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,125] [Citav. rod.: 1.167 (2018, SCIE)] [Scientific direction: T 007,N 001,N 009]
8	Čiginas, Andrius; Pumputis, Dalius. Calibrated bootstrap and saddlepoint approximations of finite population L-statistics // <i>Lithuanian mathematical journal</i> . New York : Springer. ISSN 0363-1672. eISSN 1573-8825. 2019, vol. 59, iss. 3, p. 305-316. DOI: 10.1007/s10986-019-09446-9. [DB: ProQuest Central; Zentralblatt MATH (zbMATH); Gale's Academic OneFile; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 0.566 (2018, SCIE)] [Scientific direction: N 001]
9	Čiginas, Andrius; Pumputis, Dalius. Calibrated Edgeworth expansions of finite population L-statistics // <i>Mathematical population studies</i> : Taylor & Francis Group. ISSN 0889-8480. eISSN 1547-724X. 2019, Latest Articles, p. 1-22. DOI: 10.1080/08898480.2018.1553408. [DB: Gale's Academic OneFile; Academic Search Premier; Academic Search Complete; GEOBASE; Scopus; Zentralblatt MATH (zbMATH); Social Sciences Citation Index (Web of Science); Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 0.276 (2018, SCIE); 0.276 (2018, SSCI)] [Scientific direction: N 001]
10	Drevinskas, Tomas; Maruška, Audrius; Telksnys, Laimutis; Hjertén, Stellan; Stankevičius, Mantas; Lelešius, Raimundas; Mickienė, Rūta; Karpovaitė, Agneta; Šalomskas, Algirdas; Tiso, Nicola; Ragažinskienė, Ona. Chromatographic data segmentation method: a hybrid analytical approach for the investigation of antiviral substances in medicinal plant extracts // <i>Analytical chemistry</i> . Washington : American chemical society. ISSN 0003-2700. 2019, Vol. 91, iss. 1, p. 1080-1088. DOI: 10.1021/acs.analchem.8b04595. [DB: CABI (abstracts); Scopus; PubMed; Science Citation Index Expanded (Web of Science)] [Contribution: 0,045] [Citav. rod.: 6.350 (2018, SCIE)] [Scientific direction: N 009,T 005]
11	Eglynas, Tomas; Andziulis, Arunas; Bogdevičius, Marijonas; Janutėnienė, Jolanta; Jakovlev, Sergej; Jankūnas, Valdas; Senulis, Audrius; Jusis, Mindaugas; Bogdevičius, Paulius; Gudas, Saulius. Modeling and experimental research of quay crane cargo lowering processes // <i>Advances in mechanical engineering</i> . London : SAGE publications Ltd. ISSN 1687-8132. eISSN 1687-8140. 2019, vol. 11, iss. 12, p. 1-9. DOI: 10.1177/1687814019896927. [DB: Science Citation Index Expanded (Web of Science); Scopus; SAGE journals; DOAJ] [Contribution: 0,150] [Citav. rod.: 1.024 (2018, SCIE)] [Scientific direction: T 001,T 007]
12	Eglynas, Tomas; Jusis, Mindaugas; Jakovlev, Sergej; Senulis, Audrius; Andziulis, Arūnas; Gudas, Saulius. Analysis of the efficiency of shipping containers handling/loading control methods and procedures // <i>Advances in mechanical engineering</i> . London : SAGE publications Ltd. ISSN 1687-8132. eISSN 1687-8140. 2019, vol. 11, iss. 1, p. 1-12. DOI: 10.1177/1687814018821229. [DB: Science Citation Index Expanded (Web of Science); Scopus; SAGE journals; DOAJ] [Contribution: 0,249] [Citav. rod.: 1.024 (2018, SCIE)] [Scientific direction: T 001,T 007]
13	Gudas, Saulius; Tekutov, Jurij; Butleris, Rimantas; Denisovas, Vitalijus. Modelling subject domain causality for learning content renewal // <i>Informatica</i> . Vilnius : Vilniaus universitetas. ISSN 0868-4952. eISSN 1822-8844. 2019, vol.

	30, no. 3, p. 455-480. DOI: 10.15388/Informatica.2019.214. [DB: Social Sciences Citation Index (Web of Science); Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,250] [Citav. rod.: 1.928 (2018, SCIE)] [Scientific direction: N 009]
14	Jukna, Stasys. Coin flipping cannot shorten arithmetic computations // American mathematical monthly. Philadelphia : Taylor & Francis. ISSN 0002-9890. eISSN 1930-0972. 2019, vol. 126, iss. 4, p. 364-366. DOI: 10.1080/00029890.2019.1565883. [DB: Zentralblatt MATH (zbMATH); MathSciNet; Academic Search Premier; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,500] [Citav. rod.: 0.361 (2018, SCIE)] [Scientific direction: N 001]
15	Jurevičius, Rokas; Marcinkevičius, Virginijus; Šeibokas, Justinas. Robust GNSS-denied localization for UAV using particle filter and visual odometry // Machine vision and applications. New York : Springer. ISSN 0932-8092. eISSN 1432-1769. 2019, vol. 30, no. 7-8, p. 1181-1190. DOI: 10.1007/s00138-019-01046-4. [DB: Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,667] [Citav. rod.: 1.788 (2018, SCIE)] [Scientific direction: T 007]
16	Juskevicius, Tomas; Šemetulskis, Gražvydas. Optimal Littlewood-Offord inequalities in groups // Combinatorica. Heidelberg : Springer Heidelberg. ISSN 0209-9683. eISSN 1439-6912. 2019, vol. 39, iss. 4, p. 911-921. DOI: 10.1007/s00493-018-3845-7. [DB: Current Contents; Zentralblatt MATH (zbMATH); Scopus; Science Citation Index Expanded (Web of Science); Science Citation Index] [Contribution: 0,750] [Citav. rod.: 1.143 (2018, SCIE)] [Scientific direction: N 001]
17	Kaklauskas, Artūras; Jokubauskas, Darius; Čerkauskas, Justas; Dzemyda, Gintautas; Ubartė, Ieva; Skirmantas, Darius; Podviezko, Askoldas; Šimkutė, Ieva. Affective analytics of demonstration sites // Engineering applications of artificial intelligence. Oxford : Elsevier Ltd. ISSN 0952-1976. eISSN 1873-6769. 2019, vol. 81, p. 346-372. DOI: 10.1016/j.engappai.2019.03.001. [DB: Zentralblatt MATH (zbMATH); INSPEC; PubMed; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,125] [Citav. rod.: 3.526 (2018, SCIE)] [Scientific direction: T 007,S 004,T 002]
18	Kaklauskas, Artūras; Zavadskas, Edmundas Kazimieras; Bardauskienė, D.; Čerkauskas, Justas; Ubartė, Ieva; Seniut, Mark; Dzemyda, Gintautas; Kaklauskaitė, Marija; Vinogradova, Irina; Velykorusova, Anastasiia. An affect-based built environment video analytics // Automation in construction. Amsterdam : Elsevier B.V. ISSN 0926-5805. eISSN 1872-7891. 2019, vol. 106, art. no. 102888, p. 1-22. DOI: 10.1016/j.autcon.2019.102888. [DB: INSPEC; Scopus; Science Citation Index Expanded (Web of Science)] [Contribution: 0,100] [Citav. rod.: 4.313 (2018, SCIE)] [Scientific direction: N 009,T 007,T 002]
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| 6 | Tekutov, Jurij; Gudas, Saulius; Denisovas, Vitalijus; Smirnova, Julija. Educational domain management knowledge content identification and knowledge updating method, based on enterprise management information interactions // Advances in science, technology and engineering systems journal: Advancement in engineering and computer science : ASTES Publishers. eISSN 2415-6698. 2019, vol. 4, no. 2, p. 140-152. DOI: 10.25046/aj040219. [DB: DOAJ; Scopus] [Contribution: 0,250] [Scientific direction: N 009,T 007] |
| 7 | Vaičiulytė, Jūratė; Sakalauskas, Leonidas. Rekurentinis paslėptųjų Markovo modelių parametrų vertinimo algoritmas = Recurrent estimation of Hidden Markov Model parameters // Computational science and techniques. Klaipėda : Klaipėda University. eISSN 2029-9966. 2017, vol. 5, no. 1, p. 529-540. DOI: 10.15181/cs.t.v5i1.1561. [DB: IndexCopernicus; Academic Search Research & Development] [Contribution: 1,000] [Scientific direction: N 009] |

3 **T2 - Abstracts of conference papers in peer-reviewed publications**

1 **T2 - Conference abstracts in non-refereed publications**

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| 1 | Baronas, Romas; Kulyš, Juozas; Litvinas, Linas; Petkevičius, Linas; Petrauskas, Karolis; Žilinskas, Antanas. Computational modeling, multi-objective optimization and decision visualization of microbioreactor system // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University Press, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 9. On the Internet: < https://www.mii.lt/datamss/files/DAMSS_2019.pdf > [seen 2019-12-09]. [Contribution: 0,166] [Scientific direction: N 009] |
| 2 | Belovas, Igoris; Sabaliauskas, Martynas. On visualization of properties and structures related to zeta-functions // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 11. DOI: 10.15388/DAMSS.11.2019. [Contribution: 0,750] [Scientific direction: N 009,N 001] |
| 3 | Čiapas, Bernardas; Treigys, Povilas. Expanding convolutional networks with SIFT features to classify images better // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 18. DOI: 10.15388/DAMSS.11.2019. [Contribution: 1,000] [Scientific direction: T 007,N 009] |

4	Čiginas, Andrius; Pumputis, Dalius. Calibrated nonparametric bootstrap approximations of finite population L-statistics // 12th International Vilnius conference on probability theory and mathematical statistics and 2018 IMS annual meeting on probability and statistics, July 2–6, 2018, Vilnius, Lithuania : abstracts. Vilnius : Vilnius University. 2018, p. 321. On the Internet: < http://ims-vilnius2018.com/content/pdf/ivc316.pdf >. [Contribution: 0,500] [Scientific direction: N 001]
5	Dzemyda, Gintautas; Sabaliauskas, Martynas. New ideas for multidimensional scaling // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University Press, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 26. On the Internet: < https://www.mii.lt/datamss/files/DAMSS_2019.pdf >. [Contribution: 1,000] [Scientific direction: N 009,T 007]
6	Jakubėlienė, Kristina; Sapagovas, Mifodijus; Čiupaila, Regimantas. The eigenvalue problem for the difference operator with nonlocal conditions // MMA2019: Mathematical modelling and analysis: 24th international conference, May 28–31, 2019, Tallinn, Estonia: abstracts. Tallinn : Tallinn University of Technology, 2019. ISBN 9789949834396. p. 30. [Contribution: 0,333] [Scientific direction: N 001]
7	Kriauzienė, Rima; Bugajev, Andrej; Čiegis, Raimondas. The analysis and application of a three-level parallelisation scheme // Mathematical Modelling and Analysis [MMA2019] : 24th international conference, May 28-31, 2019, Tallinn, Estonia : abstracts. Tallinn : Institute of Cybernetics, Tallinn University of Technology, 2019. ISBN 9789949834396. p. 43-44. [Contribution: 0,167] [Scientific direction: N 001,N 009]
8	Liutvinavičienė, Jelena; Kurasova, Olga; Liutvinavičius, Marius. Multi-level methodology for massive data visualization // NBBC19 : 7th Nordic-Baltic biometric conference, 3-5 June 2019, Vilnius, Lithuania : final programme and abstract book. Vilnius : [s.n.]. 2019, p. 48. On the Internet: < http://files.razzby.com/95/General/1559646481_NBBC19_Abstract_book.pdf > [seen 2019-09-12]. [Contribution: 1,000] [Scientific direction: N 009]
9	Melnik, Gerda Ana. Data analysis methods from the perspective of experimental sciences // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 54. DOI: 10.15388/DAMSS.11.2019. [Contribution: 1,000] [Scientific direction: T 007]
10	Miliauskaitė, Jolanta; Kalibatienė, Diana. On issues related to interval type-2 membership function development // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 55-56. On the Internet: < https://www.mii.lt/damss/index.php/proceedings > [seen 2019-12-09]. [Contribution: 0,500] [Scientific direction: T 007]
11	Navickas, Gediminas. Lithuanian speech synthesis using deep neural networks // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 58. On the Internet: < https://www.mii.lt/datamss/files/DAMSS_2019.pdf > [seen 2019-12-09]. [Contribution: 1,000] [Scientific direction: N 009]
12	Puronaitė, Roma; Bėrontas, Rolandas; Dzekunskas, Danielius; Trinkūnas, Justas. Detection of suspicious activities for patient privacy and security management using electronic health record access-log data // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University Press, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 64. On the Internet: < https://www.mii.lt/datamss/files/DAMSS_2019.pdf > [seen 2019-12-09]. [Contribution: 0,084] [Scientific direction: N 009]
13	Puronaitė, Roma; Jakaitienė, Audronė; Jurevičienė, Elena; Kasiulevičius, Vytautas; Navickas, Rokas; Radavičius, Marijus; Visockienė, Žydrūnė. Identifying patterns of multimorbidity in Lithuanian National Health Insurance Fund data: a comparison of cross-sectional and temporal phenotyping approaches // NBBC19 : 7th Nordic-Baltic biometric conference, 3-5 June 2019, Vilnius, Lithuania : final programme and abstract book. Vilnius : [s.n.]. 2019, p. 39. On the Internet: < http://files.razzby.com/95/General/1559646481_NBBC19_Abstract_book.pdf >. [Contribution: 0,263] [Scientific direction: N 009]
14	Radavičius, Marijus; Rekašius, Tomas. Properties of noninformative genetic sequences // NBBC19 : 7th Nordic-Baltic biometric conference, 3-5 June 2019, Vilnius, Lithuania : final programme and abstract book. Vilnius : [s.n.]. 2019, p. 44. On the Internet: < http://files.razzby.com/95/General/1559646481_NBBC19_Abstract_book.pdf > [seen 2019-09-12]. [Contribution: 0,500] [Scientific direction: N 009]

15	Raižienė, Saulė; Jakaitienė, Audronė. Data-driven decisions and globalisation: what can we learn from 5-year Lithuanian national exams data analysis // 8th international conference on social sciences: Paris, December 27-28, 2019. Paris : [s.n.], 2019. ISBN 9781794768772. p. 21. [Contribution: 0,750] [Scientific direction: S 006,S 007]
16	Sakalauskas, Leonidas; Urbonaitė, Neringa. Application of vector fractal Brownian field model for data extrapolation and kriging // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University Press, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 71. On the Internet: <https://www.mii.lt/datamss/files/DAMSS_2019.pdf> [seen 2019-12-09]. [Contribution: 1,000] [Scientific direction: N 009]
17	Savukynas, Raimundas. Connected vehicle reference model for security risk management in internet of things // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 73. DOI: 10.15388/DAMSS.11.2019. [Contribution: 1,000] [Scientific direction: T 007]
18	Savukynas, Raimundas; Marcinkevičius, Virginijus. Blockchain technology for security and privacy in internet of things // 10th International Workshop "Data analysis methods for software systems" – DAMSS : Druskininkai, Lithuania, November 29 - December 1, 2018 / Lithuanian Computer Society. Vilnius University Institute of Data Science and Digital Technologies. Lithuanian Academy of Sciences. Vilnius : Vilnius University, 2018. ISBN 9786090700433. p. 74-75. DOI: 10.15388/DAMSS.2018.1. [Contribution: 1,000] [Scientific direction: T 007]
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20	Vaitkevičius, Paulius; Marcinkevičius, Virginijus. Learning phishing websites URLs using long short-term memory network and gated recurrent units // 11th international workshop on data analysis methods for software systems, Druskininkai, Lithuania, November 28-30, 2019 / Lithuanian Computer Society, Vilnius University Institute of Data Science and Digital Technologies, Lithuanian Academy of Sciences. Vilnius : Vilnius University Press, 2019. ISBN 9786090703243. eISBN 9786090703250. p. 88. On the Internet: <https://www.mii.lt/datamss/files/DAMSS_2019.pdf> [seen 2019-12-10]. [Contribution: 1,000] [Scientific direction: T 007]
4	Y - Book Part (Chapter)
1	Y - Book Part (Chapter)
1	Dzemyda, Gintautas; Kurasova, Olga; Medvedev, Viktor; Dzemydaitė, Giedrė. Visualization of data: methods, software, and applications // Advances in mathematical methods and high performance computing / editors : Vinai K. Singh, David Gao, Andreas Fischer. Cham : Springer, 2019. ISBN 9783030024864. eISBN 9783030024871. p. 295-307. (Advances in Mechanics and Mathematics ; vol. 41). DOI: 10.1007/978-3-030-02487-1_18. [Contribution: 0,750] [Scientific direction: S 004,T 007,N 009]
2	Juškevičienė, Anita; Passey, Don. Computing education, outcomes of // Encyclopedia of education and information technologies / Tatnall A. (eds). Cham : Springer Nature, 2019. ISBN 9783319600130. p. 4-14. DOI: 10.1007/978-3-319-60013-0_89-1. [Contribution: 0,500] [Scientific direction: T 007]
3	Korvel, Gražina; Kurowski, Adam; Kostek, Bożena; Czyzewski, Andrzej. Speech analytics based on machine learning // Machine learning paradigms: advances in data analytics / George A. Tsihrintzis, Dionisios N. Sotiropoulos, Lakhmi C. Jain. Cham : Springer, 2019. ISBN 9783319940298. eISBN 9783319940304. p. 129-157. (Intelligent systems reference library, ISSN 1868-4394, eISSN 1868-4408 ; vol. 149). DOI: 10.1007/978-3-319-94030-4_6. [Contribution: 0,125] [Scientific direction: T 007]
4	Margenov, Svetozar; Rauber, Thomas; Atanassov, Emanouil; Almeida, Francisco; Blanco, Vicente; Čiegis, Raimondas; Cabrera, Alberto; Frasher, Neki; Harizanov, Stanislav; Kriauzienė, Rima; Rüniger, Gudula; San Segundo, Pablo; Starikovičius, Vadimas; Szabo, Sandor; Zavalnij, Bogdan. Applications for ultrascale systems // Ultrascale computing systems : Institution of Engineering and Technology, 2019. eISBN 9781785618345. p. 189-244. DOI: 10.1049/PBPC024E_ch6. [Contribution: 0,198] [Scientific direction: T 007,N 009,N 001]