



## CURRICULUM VITAE (CV)

**Assoc Prof Dr Artūras Serackis**  
**Professor in Vilnius Gediminas Technical University**

**Pedagogical name:** Prof  
**Scientific degree:** Ph. D.  
**Scientific field:** Technological Science (T000)  
**Science direction:** Electronics and Electrical Engineering (01T), Informatics Engineering (07T)  
**Scientific branch:** Signal Technology (T121)  
**Scientific interests:** Image and Video Technology (T111); Medical Engineering (T115);  
Computer Science (T120)  
**Birth date:** 1980 06 02

Foreign languages	A1/2: beginner; B1/2: advanced user; C1/2: proficient user		
	Understanding	Speaking	Writing
English	B2	B2	B2
German	A1	A1	A1
Polish	B2	B1	A2
Russian	C2	C1	B2

**Education:** Higher

Date	Institution	Scientific degree
2017	VGTU	Professor, certificate
2012	VGTU	Associated Professor, certificate No. D 236
2008	VGTU	Ph. D. of Technological Science, certificate No DA 000184
2004	VGTU	MSc. of Electronics Engineering, diploma No. MG 003826
2002	VGTU	BSc. of Electronics Engineering, diploma No. BG 003959

### Current position

Date	Organisation	Position
From 2014	VGTU, Department of Electronic Systems	Professor

### Currently Teaching subjects

Module Code	Studies	Subject
ELESM11207	II cycle	Real-Time Systems
ELESM11305	II cycle	Intelligent Systems
ELESB11306	I cycle	Multimedia Hardware
ELESB11808	I cycle	Multimedia Technologies
ELESB11722	I cycle	Digital Signal Processing Tools
ELESB16414	I cycle	Audio and Video Hardware

### Previous work activities

Date (from-until)	Organisation	Position
2014 – 2015	JSC “Citrus”	Senior Researcher
2011 – 2011	JSC “Citrus”	Researcher
2009 – 2014	VGTU Department of Electronic Systems	Assoc. Professor
2004 – 2009	VGTU Department of Electronic Systems	Assistant
2002 – 2004	JSC “Biuro mašinų pasaulis”	Service Engineer

### Qualification improvement

Date (from–until)	Organisation, Country	Notes
2016	VGTU, Lithuania	I-place award, Annual VGTU Textbook Awards
2011 – 2012	Lithuanian Academy of Science	Research Scholarship,
2010	Signal Processing Workshop 2010	Student Paper Award
2010	VGTU, Lithuania	II-place award, Annual VGTU Textbook Awards
2007	IEEE Lithuania Section, Lithuania	Outstanding Young Scientist Presentation Award, International Conference “Elektronika”, Joint Lithuania IEEE SPS–CIS–CS Committee
2007	Poland	Outstanding Young Scientist Presentation Award, OWD’2007
2006	ISEP & FEUP, Porto, Portugal	Summer School on Neural Networks

### Participation in projects

Date (from – until)	Description
2015–2018 m.	Predictive Novelty Discovery for Real-Time Stereoscopic Image Analysis and Decision Support, project supported by Lithuania Science Council. Contract No. MIP-083/2015. Running. [Supervisor].
2014–2015 m.	Investigation of Prediction Methods for Ranking of the Web Page Elements. /JSC “Elektroninis verslas” project partner/ Supported by Lithuania Agency for Science, Innovation and Technology. 2014-2015. [Head of the project]
2014–2015 m.	Technical Feasibility Study for Development of Intelligent Video Surveillance System. /JSC “IDEA inc.” project partner/ Supported by Lithuania Agency for Science, Innovation and Technology. 2014-2015. [Head of the project]
2014–2015 m.	Technical Feasibility Study for Development of the Automatic Human Counting and Age Group Identification System. /JSC “Patikra” project partner/ Supported by Lithuania Agency for Science, Innovation and Technology. 2014-2015. [Head of the project]
2012–2014 m.	Investigation of Real-Time Video Streaming Solutions for Mobile and Wireless Networks /JSC “Citrus” project/ 2014. [Researcher].
2012–2014 m.	Development and Validation of Control by Lithuanian Speech Unit Model for the Disabled, project supported by Lithuania Science Council. Supervisor prof. dr. D. Navakas. Contract Nr. MIP-092-2012.F. Finished. 2012–2014. [Researcher].
2013–2014 m.	Research on the Software-based Video Stabilization using Sensor Data (2013) /JSC “Citrus” project partner/ Supported by Lithuania Agency for Science, Innovation and Technology. Head of the project: prof. D. Navakas.
2012–2013 m.	Research on the Augmented Reality Application for Interactive Video Streaming Applications (2013) /JSC “Elektroninis verslas” project partner/ Supported by Lithuania Agency for Science, Innovation and Technology. Head of the project: prof. D. Navakas
2012–2013 m.	Research on the Video Stream Delay to Design an Interactive Video Streaming Applications (2013) / JSC “Citrus“ project partner/ Supported by Lithuania Agency for Science, Innovation and Technology. Head of the project: prof. D. Navakas
2008–2008 m.	Development of two dimensional electrophoresis gel parameterization and storage system, Supported by Lithuania Science and Study fund. Supervisor prof. dr. D. Navakas. Contract Nr. T–111/08, finished in 2008. [Researcher].

### PhD students

Date (from–until)	Thesis Topic	PhD student
2011 – 2015 m.	“Development of Self-Organizing Methods for Radio Spectrum Sensing“. Technological Sciences, Electronics and Electrical Engineering (OIT). (defended in 2016-04-28)	Liudas STAŠIONIS
2014 – 2018 m.	“Investigation of Medical Signal Processing Methods“. Technological Sciences, Electronics and Electrical Engineering (OIT).	Andrius GUDIŠKIS

2015 – 2019 m.	<i>“Investigation of Biosensor based Adaptive Stereoscopic Visualization Methods to Reduce Asthenopia Symptoms”</i> . Technological Sciences, Electronics and Electrical Engineering (01T).	Vytautas ABROMAVIČIUS
2016 – 2020 m.	<i>“Investigation of Adaptive Method for Sound Source Separation and Localization”</i> . Technological Sciences, Electronics and Electrical Engineering (01T).	Saulius SAKAVIČIUS
2016 – 2020 m.	<i>“Investigation of the Object Recognition Methods for Novelty Discovery in Multispectral Images”</i> . Technological Sciences, Electronics and Electrical Engineering (01T).	Paulius TUMAS

#### Additional information

Senior Member of IEEE.

Signal Processing /Computational Intelligence Society / Communications (SP/CIS/COM) Joint Chapter Chair.

Member of Technical Organization Committee of conferences: NORCHIP'2013, EMD'2012, MIKON'2010, IRS'2010, SPW'2010, BISIP'2010.

Supervisor of successfully defended 1 PhD dissertation, more than 20 successfully defended master thesis and more than 30 bachelor thesis,

Currently a supervisor of 4 PhD students, 5 master students and 5 bachelor students.

43 scientific publications in total, 1 monograph, 2 textbooks and 1 methodical book

## PUBLICATION LIST

### Articles

#### Thomson Reuters Web of Science databases refereed publications with a citation index

1. Serackis, Artūras; Navakauskas, Dalius. Treatment of over-saturated protein spots in two-dimensional electrophoresis gel images // *Informatika*. Vilnius: Matematikos ir informatikos institutas. ISSN 0868-4952. Vol. 21, no. 3 (2010), p. 409-424. [Indexed in: INSPEC; Scopus; Science Citation Index Expanded (Web of Science)]; [Impact Factor: 1.786(F) (2010)].
2. Stašionis, Liudas; Serackis, Artūras. Selection of an optimal adaptive filter for speech signal noise cancellation using C6455 DSP // *Elektronika ir elektrotechnika Kaunas: Technologija*. ISSN 1392-1215. 2011, No. 9(115), p. 101-104. [Indexed in: Science Citation Index Expanded (Web of Science); CSA; EBSCO; INSPEC]; [Impact Factor: 0.913(F) (2011)].
3. Plonis, Darius; Mališauskas, Vacius; Serackis, Artūras. Semi-automatic analysis of gyrotropic semiconductor waveguides using neural network // *Acta Physica Polonica A Warszawa: Polish Academy of Sciences*. ISSN 0587-4246. Vol. 119, no. 4 (2011), p. 542-547. [Indexed in: Science Citation Index Expanded (Web of Science)]; [Impact Factor: 0.444(F) (2011)].
4. Stašionis, Liudas; Serackis, Artūras. Burst signal detector based on signal energy and standard deviation // *Electronics and electrical engineering = Elektronika ir elektrotechnika*. Kaunas: Technologija. ISSN 1392-1215. Vol. 20, no. 2 (2014), p. 48-51. [Indexed in: CSA; Science Citation Index Expanded (Web of Science); EBSCO; INSPEC; VINITI]; [Impact Factor: 0.561(F) (2014)].
5. Serackis, Artūras; Tamulevičius, Gintautas; Sledevič, Tomyslav; Stašionis, Liudas; Navakauskas, Dalius. Self-organizing feature map preprocessed vocabulary renewal algorithm for the isolated word recognition system // *Electronics and electrical engineering = Elektronika ir elektrotechnika*. Kaunas: Technologija. ISSN 1392-1215. Vol. 20, no. 6 (2014), p. 114-117. [Indexed in: CSA; Science Citation Index Expanded (Web of Science); EBSCO; INSPEC; VINITI]; [Impact Factor: 0.561(F) (2014)].
6. Tamulevičius, Gintautas; Serackis, Artūras; Sledevič, Tomyslav; Navakauskas, Dalius. Vocabulary distance matrix analysis – based reference template update technique // *Proceedings of the Romanian academy, Series A : mathematics, physics, technical sciences, information science*. Bucharest: Romanian academy, Publishing house of the Romanian academy. ISSN 1454-9069. Vol. 16, no. 1 (2015), p. 103-109. [Indexed in: Science Citation Index Expanded (Web of Science)]; [Impact Factor: 1.658(F) (2014)].
7. Žuraulis, Vidas; Matuzevičius, Dalius; Serackis, Artūras. A method for automatic image rectification and stitching for vehicle yaw marks trajectory estimation // *PROMET – Traffic&Transportation Zagreb: University of Zagreb*. ISSN 0353-5320. Vol. 28, no. 1 (2016), p. 23-30. [Indexed in: Science Citation Index Expanded; Scopus; GEOBASE; Fluidex]; [Impact Factor: 0.270(F) (2014)].
8. Plonis, Darius; Katkevičius, Andrius; Mališauskas, Vacius; Serackis, Artūras; Matuzevičius, Dalius. Investigation of new algorithms for estimation of losses in microwave devices based on a waveguide or a meander line // *Acta Physica Polonica*

- A. Warszawa: Polish Academy of Sciences. ISSN 0587-4246. Vol. 129, no. 3 (2016), p. 414-424. [Indexed in: Science Citation Index Expanded (Web of Science)]; [Impact Factor: 0.530(F) (2014)].
9. Stašionis, Liudas; Serackis, Artūras. Experimental study of the spectrum sensor architecture based on discrete wavelet transform and feed-forward neural network // Proceedings of the Romanian academy, Series A. Bucharest : Publishing House of the Romanian Academy. ISSN 1454-9069. Vol. 17, iss. 2 (2016), p. 178-185. [Indexed in: Science Citation Index Expanded (Web of Science)]; [Impact Factor: 1.735(F) (2015)]

#### **Thomson Reuters Web of Science databases refereed publications without a citation index**

1. Matuzevičius, Dalius; Serackis, Artūras; Navakauskas, Dalius. Mathematical model of oversaturated protein spots // Elektronika ir elektrotechnika. Kaunas: Technologija. ISSN 1392-1215. 2007, No. 1(73), p. 63-68. [Indexed in: Science Citation Index Expanded (Web of Science); CSA; EBSCO; INSPEC; VINITI].
2. Serackis, Artūras; Navakauskas, Dalius. Reconstruction of overlapped protein spots using RBF networks // Elektronika ir elektrotechnika. ISSN 1392-1215. 2008, No. 1(81), p. 83-88. [Indexed in: Science Citation Index Expanded (Web of Science).; ISI Master Journal List; CSA; EBSCO; INSPEC; VINITI].
3. Katkevičius, Andrius; Mališauskas, Vacius; Plonis, Darius; Serackis, Artūras. Calculations of characteristics of microwave devices using artificial neural networks // Przegląd elektrotechniczny = Electrical review. Warsaw: Wydawnictwo SIGMA-NOT. ISSN 0033-2097. Vol. 88, iss. 1a (2012), p. 281-285. [Indexed in: Science Citation Index Expanded (Web of Science); Scopus; INSPEC].
4. Stašionis, Liudas; Serackis, Artūras. A new method for adaptive selection of Self-Organizing Map self-training endpoint // Baltic journal of modern computing (BJMC). Ryga: University of Latvia. ISSN 2255-8942. Vol. 3, no. 4 (2015), p. 294-306. [Indexed in: Emerging Sources Citation Index (Web of Science); DOAJ; EBSCO; ProQuest; VINITI].

#### **International conference publications which are assessed by Thomson Reuters database Proceedings**

1. Matuzevičius, Dalius; Serackis, Artūras; Navakauskas, Dalius. Application of K-means and MLP in the automation of matching of 2DE gel images // Artificial Neural Networks - ICANN 2010 : 20th International Conference Thessaloniki, Greece, 15-18 September 2010 Berlin, Germany: Springer Verlag. (Lecture Notes in Computer Science, 0302-9743). ISSN 0302-9743, ISBN 9783642158186. Vol. 6352 (2010), p. 541-550. [Indexed in: Conference Proceedings Citation Index; SpringerLINK].
2. Plonis, Darius; Mališauskas, Vacius; Serackis, Artūras. Gyrotropic waveguides analysis based on the neural // 18th international conference on microwave, radar and wireless communications (MIKON-2010). 4th Microwave and radar week (MRW-2010). Vilnius, Lithuania, June 14-16, 2010 : conference proceedings Vilnius: GEOZONDAS Ltd, ISBN 9789955690207. 2010, Vol. 2, p. 509-512. [Indexed in: Conference Proceedings Citation Index; IEEE/IEE].
3. Serackis, Artūras; Matuzevičius, Dalius; Navakauskas, Dalius. 2DE gel image preprocessing using self-organising maps // Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments, Wilga, Poland, 24-29 June 2010 : proceedings / The International Society for Optical Engineering Wilga, Poland: SPIE. ISSN 0277-786X. 2010, Vol. 7745, p. 1-6. [Indexed in: Conference Proceedings Citation Index].
4. Stašionis, Liudas; Serackis, Artūras. Experimental study of spectrum sensing algorithm with low cost SDR // EMD'2012 : proceedings of the 22nd International Conference "Electromagnetic disturbances", September 20-21, 2012, Vilnius, Lithuania. Vilnius: Technika, 2012. ISSN 1822-3249, ISBN 9786094572609. p. 117-120.
5. Stašionis, Liudas; Serackis, Artūras. A new approach for spectrum sensing in wideband // EUROCON 2013: Zagreb, Croatia, 1-4 July, 2013. New York: IEEE, 2013, ISBN 9781467322300. p. 125-132. [Indexed in: Conference Proceedings Citation Index].
6. Serackis, Artūras; Sledevič, Tomyslav; Tamulevičius, Gintautas; Navakauskas, Dalius. Word recognition acceleration by double random seed matching in perceptual cepstrum error space // EMS 2013: UKSim-AMSS 7th European Modelling Symposium on Mathematical Modelling and Computer Simulation. 20-22 November 2013 Manchester, United Kingdom : proceedings. New York (USA): IEEE, 2013, ISBN 9781479925780. p. 274-279. [Indexed in: INSPEC; Conference Proceedings Citation Index].
7. Serackis, Artūras; Abromavičius, Vytautas; Gudiškis, Andrius. Identification of ECG signal pattern changes to reduce the incidence of Ventricular Tachycardia false alarms // Computing in cardiology 2015. 42nd annual conference, September 6-9, 2015 Nice, France. Nice: Nice Sophia Antipolis university. ISSN 2325-8861. Vol. 42 (2015), p. 1189-1192. [Indexed in: IEEE].
8. Abromavičius, Vytautas; Serackis, Artūras. Algorithm for real-time detection of heart rate from noisy ECG signals supported by continuous blood pressure analysis // Electrical, Electronic and Information Sciences (eStream) : proceedings of the 2015 Open conference, 21 April, 2015, Vilnius, Lithuania / Vilnius Gediminas Technical University New York: IEEE, 2015, ISBN 9781467374453. p. [1-4]. [Indexed in: IEEE/IEE].
9. Plonis, Darius; Serackis, Artūras. Inertial sensor based object tracking method for video based technical support system // Electrical, Electronic and Information Sciences (eStream) : proceedings of the 2015 Open conference, 21 April, 2015,

- Vilnius, Lithuania / Vilnius Gediminas Technical University New York: IEEE, 2015, ISBN 9781467374453. p. [1-4]. [Indexed in: IEEE/IEE].
10. Stašionis, Liudas; Serackis, Artūras. A new self-organizing map topology for real-time spectrum sensing and fast convergence // EUROCON 2015 - International conference on computer as a tool (EUROCON), IEEE, Salamanca, 8-11 Sept. 2015. New York: IEEE, 2015, ISBN 9781479985685. p. [1-4]. [Indexed in: IEEE].
  11. Skirelis, Julius; Serackis, Artūras. Prediction of the real-time video streaming performance based on the peer connection statistics // AIEEE 2015. Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 2015 IEEE 3rd workshop, November 13–14, 2015 Riga, Latvia. New York: IEEE, 2015, ISBN 9781509012015. p. [1-4]. [Indexed in: IEEE].
  12. Tumas, Paulius; Serackis, Artūras. Peer-to-peer adaptive video streaming system // AIEEE 2015. Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 2015 IEEE 3rd workshop, November 13–14, 2015 Riga, Latvia. New York: IEEE, 2015, ISBN 9781509012015. p. [1-4]. [Indexed in: IEEE].
  13. Jasevičiūtė, Vita; Plonis, Darius; Serackis, Artūras. Application of dynamic neural network for prediction of advertisement clicks. 2016 Open Conference of Electrical, Electronic and Information Sciences (eStream). New York : IEEE, 2016. ISBN 9781509015160, p. [1-4].

#### Other international publications database

1. Serackis, Artūras; Navakauskas, Dalius. Dviejų kamerų tarpusavio padėties įtaka trimačių vaizdų rekonstrukcijai // Elektronika ir elektrotechnika. Kaunas: Technologija. ISSN 1392-1215. 2006, No. 1(65), p. 77-80. [Indexed in: INSPEC; VINITI].
2. Aubin, Patric Mark; Serackis, Artūras; Griškevičius, Julius. Support vector machine classification of Parkinson's disease, essential tremor and healthy control subjects based on upper extremity motion // Biomedical Engineering and Biotechnology (iCBEB), 2012 International Conference on 28-30 May 2012, Macau, Macao. Macau: IEEE Conference Publications, 2012, ISBN 9781457719875. p. 900-904. [Indexed in: EI Compendex Plus; IEEE/IEE].
3. Sledevič, Tomyslav; Serackis, Artūras. SURF algorithm implementation on FPGA // BEC 2012: 13th Biennial Baltic electronics conference : proceedings. Tallinn University of Technology, October 3-5, 2012, Tallinn, Estonia. New York: IEEE, 2012. ISSN 1736-3705, ISBN 9781467327725. p. 291-294. [Indexed in: IEEE/IEE].
4. Sledevič, Tomyslav; Serackis, Artūras; Tamulevičius, Gintautas; Navakauskas, Dalius. Evaluation of features extraction algorithms for a real-time isolated word recognition system // World Academy of Science, Engineering and Technology : International Journal of Electrical, Robotics, Electronics and Communications Engineering. Zurich: World Academy of Science. ISSN 2010-376X. Vol. 7, no. 12 (2013), p. 303-307. [Indexed in: Scopus; EBSCO].
5. Serackis, Artūras; Stašionis, Liudas. Spectrum Sensor Based on a Self-Organizing Feature Map // Nonlinear Dynamics of Electronic Systems : 22nd International Conference, NDES 2014, Albena, Bulgaria, July 4-6, 2014 : proceedings. New York: Springer, 2014. (Communications in computer and information science, vol. 438, ISSN 1865-0929), ISBN 9783319086712. p. 51-58. [Indexed in: Conference Proceedings Citation Index; SpringerLINK; Scopus; MatSciNet].
6. Jasevičiūtė, Vita; Plonis, Darius; Serackis, Artūras. Dynamic adaptation of the jitter buffer for video streaming applications // 2014 IEEE 2nd Workshop on advances in information, electronic and electrical engineering (AIEEE), proceedings of the 2nd workshop November 28–29, 2014 Vilnius, Lithuania. Washington: IEEE, 2014, ISBN 9781479971220. p. [1-4]. [Indexed in: IEEE].
7. Gudiškis, Andrius; Serackis, Artūras. Heart beat prediction in distorted ECG signal using blood pressure measurements // 2014 IEEE 2nd Workshop on advances in information, electronic and electrical engineering (AIEEE), proceedings of the 2nd workshop November 28–29, 2014 Vilnius, Lithuania. Washington: IEEE, 2014, ISBN 9781479971220. p. [1-4]. [Indexed in: IEEE].
8. Tamulevičius, Gintautas; Serackis, Artūras; Sledevič, Tomyslav; Navakauskas, Dalius. Bidirectional Dynamic Time Warping algorithm for the recognition of isolated words impacted by transient noise pulses // World Academy of Science, Engineering and Technology. Zurich: World Academy of Science. ISSN 2010-376X. Vol. 8, no. 4 (2014), p. 710-714. [Indexed in: Scopus; EBSCO].

#### Other Peer-Reviewed Scientific Journals Published Articles

##### In periodical and disposable publications

1. Navakauskas, Dalius; Serackis, Artūras. Special issue on selected papers from NORCHIP 2013 conference : guest editorial // Microprocessors and microsystems Amsterdam, Netherlands: Elsevier Science B.V. ISSN 0141-9331. Vol. 39, iss. 8 (2015), p. 867–868. [Indexed in: Science Citation Index Expanded (Web of Science); Scopus; INSPEC; Computer Abstracts].

#### Conference proceedings

1. Serackis, Artūras; Matuzevičius, Dalius; Navakauskas, Dalius. Reconstruction of protein spots using DSP modules // XXIX międzynarodowa konferencja z Podstaw elektrotechniki i teorii obwodów: IC-SPETO 2006 = 29th international conference on fundamentals of electronics and circuit theory IC-SPETO 2006: Gliwice-Ustroń 24-27.05.2006 / Institute of Theoretical and Industrial Electrical Engineering Silesian University of Technology, Institute of Electrical Engineering, Measurement and Information Systems at the Warsaw University of Technology, The Polish Society of Theoretical and Applied Electrotechnics PTETiS - Section Gliwice-Opole. T. 2. Gliwice: PŚ Wydział Elektryczny, 2006, ISBN 8385940286. p. 573-576.
2. Matuzevičius, Dalius; Serackis, Artūras; Navakauskas, Dalius. Improved segmentation of 2D electrophoresis gel images by the use of bell shape function // Biomedicininė inžinerija = Biomedical engineering: tarptautinės konferencijos pranešimų medžiaga / Kauno technologijos universitetas. Kaunas: Technolija, 2006, ISBN 9955251514. p. 573-576.
3. Serackis, Artūras. New algorithm of protein spot center detection in two dimensional electrophoresis gel images // IX International PhD Workshop OWD'2007 under the auspices of deans of electrical, electronic and computer science faculties of engineering, IET - The Institution of Engineering and Technology, 20-23 October 2007 / Polish Society of Theoretical and applied Electrotechnics, Faculty of Electrical Engineering, Silesian University of Technology, Polish-Japanese Institute of Information Technology (Warsaw), Centre Education in Mechatronics, Silesian University of Technology (Gliwice). Vol. 1. Gliwice: Faculty of Electrical Engineering Silesian university of Technology, 2007, ISBN 8392224221. p. 61-64.
4. Aubin, Patric Mark; Serackis, Artūras; Griškevičius, Julius [Griskevicius, Julius]. A ground reaction force artificial neural network classifier for the diagnosis of parkinson's disease // Proceedings of XXIIIrd ISB2011 Congress, Brussels, July 3-7, 2011 [elektroninis išteklius]. Brussels: International Society of Biomechanics, 2011. p. [1-2].
5. Gudiškis Andrius; Serackis, Artūras. Auto-encoder based ECG signal feature extraction for real-time detection of cardiac arrhythmias. Biomedical engineering-2016. Kaunas : Kauno technologijos universitetas, 2016. ISSN 2029-3380, p. 153-156.
6. Šabanovič, Eldar; Matuzevičius, Dalius; Serackis, Artūras. Evaluation of the background extraction influence to quantitative analysis of two- dimensional electrophoresis gel images. Biomedical engineering-2016. Kaunas : Kauno technologijos universitetas, 2016. ISSN 2029-3380, p. 113-116.
7. Tumas Paulius; Serackis, Artūras. ORB feature based matching of two-dimensional electrophoresis gel images. Biomedical engineering-2016. Kaunas : Kauno technologijos universitetas, 2016. ISSN 2029-3380, p. 117-120.
8. Serackis, Artūras; Miniotas, Darius; Katkevičius, Andrius; Krukonis, Audrius; Plonis, Darius. The study of extraneous conditions that affect tilt-based pointer movements. Proceedings of 11th international conference "BIOMDLORE 2016", October 20-22, 2016, Druskininkai, Lithuania. Vilnius : Technika, 2016. ISBN 9786094579592, p. 92-96.

### Monographs

1. Navakauskas, Dalius; Serackis, Artūras; Matuzevičius, Dalius; Laptik, Raimond. Specializuotos elektroninės intelektualiosios sistemos garsams ir vaizdams apdoroti. Teorija ir taikymai / D. Navakauskas, A. Serackis, D. Matuzevičius, R. Laptik. Vilnius : Technika, 2014. 580 p. ISBN 9786094577680.

### Other Books and Dissertations

1. Serackis, Artūras (aut., disert.). Vaizdo rekonstravimo technologijos baltymų pėdsakams parametrizuoti : daktaro disertacija. Vilnius : Technika, 2008. 135 p. : iliustr. ISBN 9789955283560.

### Compiled and/or Edited Research Publications

1. Navakauskas, Dalius (sudaryt.); Serackis, Artūras (sudaryt.). Microprocessors and microsystems : Vol. 39, iss. 8 : special issue on selected papers from NORCHIP 2013 conference / issue editors: Dalius Navakauskas, Artūras Serackis. Amsterdam, Netherlands : Elsevier Science B.V, 2015. 51 p. ISSN0141-9331.

## STUDY LITERATURE

### Textbooks

1. Navakauskas, Dalius; Serackis, Artūras. Skaitmeninis signalų apdorojimas taikant MATLAB : vadovėlis aukštųjų mokyklų studentams / Dalius Navakauskas, Artūras Serackis ; Vilniaus Gedimino technikos universitetas. Vilnius : Technika, 2008. 381 p. ISBN 9789955283256.
2. Navakauskas, Dalius; Serackis, Artūras. Skaitmeninis signalų apdorojimas taikant MATLAB : vadovėlis / [elektroninis išteklius] Dalius Navakauskas, Artūras Serackis. 2-oji papildyta ir pataisyta laida. Vilnius : Technika, 2013. 435 p. ISBN 9786094574443.

### Methodical Teaching Tools and Other Study Literature

1. Navakauskas, Dalius; Serackis, Artūras. Digital signal processing tools : laboratorinių darbų metodikos nurodymai / [elektroninis išteklius] Dalius Navakauskas, Artūras Serackis. Vilnius : Technika, 2012. 122 p. ISBN 9786094571589.