PERSONAL INFORMATION

Robertas Damaševičius

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WORK EXPERIENCE

2012-2023	**Professor**
	Department of Software Engineering, Kaunas University of Technology, Lithuania
2012-2019	**Vice-dean**
	Faculty of Informatics, Kaunas University of Technology, Lithuania
2020-2023	**Professor**
	Department of Applied Informatics, Vytautas Magnus University, Lithuania
2019-2023	**Adjunct Professor**
	Faculty of Applied Mathematics, Silesian University of Technology, Gliwice, Poland

EDUCATION AND TRAINING

2001–2005	**PhD in Informatics Engineering**
	Kaunas University of Technology, Kaunas (Lithuania)
1999–2001	**MSc in Informatics**
	Kaunas University of Technology, Kaunas (Lithuania)
1995–1999	**BSc of Informatics**
	Kaunas University of Technology, Kaunas (Lithuania)

SECONDSHIPS

2018	**University of Campania Luigi Vanvitelli (Italy)**
2019	**Silesian University of Technology (Poland)**

PERSONAL SKILLS

Mother tongue(s)	Lithuanian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C1

English

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Main Publications

1. Arif, Z. H., Mahmoud, M. A., Abdulkareem, K. H., Mohammed, M. A., Al-Mhiqani, M. N., Mutlag, A. A., & **Damaševičius, R. (**2022). Comprehensive review of machine learning (ML) in image defogging: Taxonomy of concepts, scenes, feature extraction, and classification techniques. IET Image Processing, 16(2), 289-310. doi:10.1049/ipr2.12365

2. Huq, S. M., Maskeliūnas, R., & **Damaševičius, R.** (2022). Dialogue agents for artificial intelligence-based conversational systems for cognitively disabled: A systematic review. Disability and Rehabilitation: Assistive Technology, doi:10.1080/17483107.2022.2146768

3. Kadry, S., Rajinikanth, V., Taniar, D., **Damaševičius,** R., & Valencia, X. P. B. (2022). Automated segmentation of leukocyte from hematological images—a study using various CNN schemes. Journal of Supercomputing, 78(5), 6974-6994. doi:10.1007/s11227-021-04125-4

4. Khan, M. A., Khan, A., Alhaisoni, M., Alqahtani, A., Alsubai, S., Alharbi, M., . . . **Damaševičius, R**. (2022). Multimodal brain tumor detection and classification using deep saliency map and improved dragonfly optimization algorithm. International Journal of Imaging Systems and Technology, doi:10.1002/ima.22831

5. Khan, S. S., Khan, M., Haider, S., & **Damaševičius, R.** (2022). Hyperspectral image classification using NRS with different distance measurement techniques. Multimedia Tools and Applications, 81(17), 24869-24885. doi:10.1007/s11042-022-12263-x

6. Kuizinienė, D., Krilavičius, T., **Damaševičius, R.**, & Maskeliūnas, R. (2022). Systematic review of financial distress identification using artificial intelligence methods. Applied Artificial Intelligence, 36(1) doi:10.1080/08839514.2022.2138124

7. Maqsood, S., & **Damaševičius, R.** (2023). Multiclass skin lesion localization and classification using deep learning based features fusion and selection framework for smart healthcare. Neural Networks, 160, 238-258. doi:10.1016/j.neunet.2023.01.022

8. Nawaz, M., Nazir, T., Masood, M., Ali, F., Khan, M. A., Tariq, U., . . . **Damaševičius, R.** (2022). Melanoma segmentation: A framework of improved DenseNet77 and UNET convolutional neural network. International Journal of Imaging Systems and Technology, 32(6), 2137-2153. doi:10.1002/ima.22750

9. Oyewola, D. O., Dada, E. G., Misra, S., & **Damaševičius, R**. (2022). A novel data augmentation convolutional neural network for detecting malaria parasite in blood smear images. Applied Artificial Intelligence, 36(1) doi:10.1080/08839514.2022.2033473

10. Połap, D., Woźniak, M., Hołubowski, W., & **Damaševičius, R.** (2022). A heuristic approach to the hyperparameters in training spiking neural networks using spike-timing-dependent plasticity. Neural Computing and Applications, 34(16), 13187-13200. doi:10.1007/s00521-021-06824-8

11. Wei, W., Ho, E. S. L., McCay, K. D., **Damaševičius, R.,** Maskeliūnas, R., & Esposito, A. (2022). Assessing facial symmetry and attractiveness using augmented reality. Pattern Analysis and Applications, 25(3), 635-651. doi:10.1007/s10044-021-00975-z

12. Wei, W., Li, X., Zhang, B., Li, L., **Damaševičius, R**., & Scherer, R. (2023). LSTM-SN: Complex text classifying with LSTM fusion social network. Journal of Supercomputing, doi:10.1007/s11227-022-05034-w

13. Zhou, Y., Jing, W., Wang, J., Chen, G., Scherer, R., & **Damaševičius, R**. (2022). MSAR-DefogNet: Lightweight cloud removal network for high resolution remote sensing images based on multi scale convolution. IET Image Processing, 16(3), 659-668. doi:10.1049/ipr2.12224

Projects

ESF project L3CE Lithuanian Cybercrime Centre of Excellence for Training, Research and Education (2014-2016)

H2020 project EQUAL-IST (Gender Equality Plans for Information Sciences and Technology Research Institutions) (2016 - 2018)

H2020 project INNOITEAM (Centre of Excellence in IT Science and Technology) (2017 - 2018)

Erasmus+ project iDO (Innovative Digital Training Opportunities on Dementia for Direct Care Workers) (2018 - 2021)

Erasmus+ project MY-RELIEF (Training ergonomics, self-management and health behaviour strategies to mature workers suffering from chronic low-back pain) (2018 - 2022)

H2020 project SPARTA (Strategic programs for advanced research and technology in Europe) (2019 - 2021)

Erasmus+ project Fostering STEAM Education in Schools (EDUSIMSTEAM) (2020-2023)

Horizon Europe Framework Programme (HORIZON), Creation of the centre of excellence in smart forestry "Forest 4.0" No. 101059985 (2023 -)

PROFESSIONAL ACTIVITIES

Expert

Lithuanian Research Council (LMT) expert (evaluation of project applications and reports) 2020-2022

ANR (French National Research Agency) expert (evaluation of CHIST-ERA program project applications), 2017-2018

2020 H2020-ICT committee member, European Commission, Representative of Lithuania, 2014-2020

Member and chairman of the joint KTU-VGTU informatics engineering doctoral committee, 2013-2023

Reviewer of doctoral theses (KTU, Vilnius University, VGTU (Lithuania), University of Malta (Malta), Sydney University of Technology (Australia)), 2013-2022

Xi'an Jiaotong-Liverpool University (XJTLU, China) - Postgraduate Scholarship Application Reviewer 2022-2022

GamifyIt - Gamified Apps Competition (Polytechnic Institute of Porto, Portugal), member of the judging panel 2020

Editor

Information Technology and Control, Editor-In-Chief https://itc.ktu.lt/

International Journal of Imaging Systems and Technology, Associate Editor

International Journal of Interactive Multimedia and Artificial Intelligence, Associate Editor

Computer Applications in Engineering Education, Associate Editor

PeerJ Computer Science, Associated Editor

PlosONE, Academic Editor

The Imaging Science Journal, Editorial Board Member

Remote Sensing, Guest Editor, Special Issue "Advanced Theory, Methods, Technique and Applications for Remote Sensing Big Data", invited editor,

Electronics, Guest Editor, Special Issue "Computational Intelligence for Physiological Sensors and Body Sensor Networks",

Computers, Guest Editor, Special Issue "Survey in Deep Learning for IoT Applications",

Sensors, Guest Editor, Special Issue "Artificial Intelligence in Medical Sensors II",

BioMed Research International, Guest Editor, Special Issue Brain Computer Interface Systems for Neurorobotics: Methods and Applications"

ADDITIONAL INFORMATION

Networks

COST IC1303 - Algorithms, Architectures and Platforms for Enhanced Living Environments

COST CA19136 - International Interdisciplinary Network on Smart Healthy Age-friendly Environments

CA22103 - A COMPREHENSIVE NETWORK AGAINST BRAIN CANCER (Net4Brain)

Membership

IEEE member (Lithuania section, no. 90404900)

ACM member

Awards

Web of Science Top Peer Reviewer 2019 Computer Science Award

Web of Science Top Peer Reviewer 2019 Cross Field Award

MDPI Sensors Outstanding Reviewer Award 2022