

6. Списък на научните трудове за участие в конкурса на Александър Илиев Илиев

конкурс за професор в област на висше образование 4. Природни науки, математика и информатика, професионално направление 4.6. Информатика и компютърни науки, научна специалност: Информатика (Конгнитивни модели и изкуствен интелект за мултимодални данни), за нуждите на секция „Математическа лингвистика“, обявен в ДВ, бр. 54/12.06.2026 г.

Монографии:

- A. **Alexander I. Iliev**, “AI Popular Systems. Architecture, Capabilities, and Comparative Analysis”, LAP Lambert Academic Publishing, ISBN: 978-66-30-21444-4, 2026, p. 292, [Link](#)
- B. **Alexander I. Iliev**, “Practical Benchmarking and Hands-On Evaluation of AI Popular Systems”, LAP Lambert Academic Publishing, ISBN: 978-66-30-22514-3, 2026, p. 164, [Link](#)

Учебници:

- C. **Alexander I. Iliev** (2023), “Artificial Intelligence Smart Systems Design Applied Use Cases Part 1”, LAP Lambert Academic Publishing, ISBN: 978-620-6-78830-0, p. 136, [Link](#)
- D. **Alexander I. Iliev** (2023), “Artificial Intelligence in Smart Systems Applied Use Cases Part 2”, LAP Lambert Academic Publishing, ISBN: 978-620-7-45055-8, 2023, p. 168, [Link](#)
- E. **Alexander I. Iliev**, “Smart Python for Machine Learning and Intelligent Modeling, Foundations and Classical Machine Learning | Part 1”, LAP Lambert Academic Publishing, ISBN 978-66-30-10726-5, 2026, p. 316, [Link](#)
- F. **Alexander I. Iliev**, “Smart Python for Machine Learning and Intelligent Systems, Deep Learning, Transfer Learning, and AI Engineering | Part 2”, LAP Lambert Academic Publishing, ISBN 978-66-30-21092-7, 2026, p. 324, [Link](#)

Глава от книга:

- G. Alexander I. Iliev, Perspective Chapter: Emotion Detection Using Speech Analysis and Deep Learning. In: Emotion Recognition - Recent Advances, New Perspectives and Applications, IntechOpen, 2023, DOI: 10.5772/intechopen.110730, ISBN: 978-1-83768-577-6, pp. 25-46, [Link](#)

Полезен модел:

- H. “Big Data Processing System”, Type: Utility model, Authors: A.I. Shikalanov, L.M. Kirilov, E.P. Kovacheva, R.V. Nikolov, E.D. Shoikova-Stoyanova, A.I. Iliev, L.I. Gotsev, Patent Office of the Republic of Bulgaria, Patent No. 5104 U1 / 29.08.2025, [Link](#)

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- 2. **Iliev, A.I., Stanchev, P.** Smart Multifunctional Digital Content Ecosystem Using Emotion Analysis of Voice. In: CompSysTech '17: Proceedings of the 18th International Conference on Computer Systems and Technologies, Ruse, Bulgaria, June 23-24, 2017, ACM ICPS Vol. 1369, ACM International Conference Proceeding Series, ACM, New York, USA, 2017, ISBN:978-1-4503-5234-5, pp. 58-64, DOI: 10.1145/3134302.3134342, **SJR(2017): 0.159, Индексирана в Scopus; ACM Digital Library, [Link](#)**
- 3. **Iliev, A., Stanchev, P. L.** Glottal Attributes Extracted from Speech with Application to Emotion Driven Smart Systems. In: Proceedings of the 10th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge

Management (IC3K 2018) - Volume 1: KDIR, 2018, ISBN:978-989-758-330-8, ISSN: 2184-3228, SciTePress, pp. 297-302, DOI: 10.5220/0006951002970302, **Индексирана в Scopus**, [Link](#)

4. **Iliev, A.**, Mote, A., Manoharan, A. Cross-Cultural Emotion Recognition and Comparison Using Convolutional Neural Networks. Digital Presentation and Preservation of Cultural and Scientific Heritage. Conference Proceedings, Vol. 10, Institute of Mathematics and Informatics – BAS, 2020, ISSN:1314-4006, pp. 89-102, DOI: 10.55630/dipp.2020.10.5, **Индексирана в Scopus; Web of Science**, [Link](#)
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14. **Iliev A.I.**, Singh, D., Chittyala, S. Bias Detection and Mitigation in Large Language Models for Code Generation. IEEE Internet of Things, IEEE, Vol. 13, no. 4, pp. 6704-6712, 2025, DOI: 10.1109/JIOT.2025.3636829, Electronic ISSN: 2327-4662, **SJR (Scopus): 2.144, IF: 8.7 (2025), Q1 - оглавява ранглистата (Web of Science)**, [Link](#)
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23. Murthy, H. M. K., **Iliev A. I.** Secure Curation and Reuse of Digital Scientific Data Using Retrieval-Augmented Generation Systems. Digital Presentation and Preservation of Cultural and Scientific Heritage, Vol. 15, Institute of Mathematics and Informatics - BAS, 2025, ISSN: 1314-4006, Online ISSN: 2535-0366, DOI:<https://doi.org/10.55630/dipp.2025.15.17>, pp. 187-196. **SJR (Scopus):0.217, индексиран в Scopus, Web of Science**, [Link](#)