JURGITA KAPOČIŪTĖ-DZIKIENĖ

Research area: The main research area of Jurgita Kapočiūtė-Dzikienė is the application of artificial intelligence methods (deep learning, transformational models) to classification and generation language tasks: chatbots (Publication No. 1), sentiment analysis (Publication No. 2), text paraphrasing, etc. Jurgita solves language problems for Lithuanian, English, German, French, Portuguese, Italian, Latvian, Russian, and other languages (see projects No. 1 and No. 2) by mainly focusing on developing and applying multilingual and cross-lingual models. Jurgita performs research at the university and the company Tilde IT; her research blends the theoretical knowledge and practical applications required to develop products for customers.

Main publications

Kapočiūtė-Dzikienė, J., Salimbajevs, A., & Skadiņš, R. (2021). Monolingual and cross-lingual intent detection without training data in target languages. *Electronics*, *10*(12), 1412.

Tesfagergish, S. G., Kapočiūtė-Dzikienė, J., & Damaševičius, R. (2022). Zero-shot emotion detection for semi-supervised sentiment analysis using sentence transformers and ensemble learning. *Applied Sciences*, *12*(17), 8662.

Main projects

(08 2021 – now)   Researcher. Stairway to AI: Ease the Engagement of Low-Tech users to the AI-on-Demand platform through AI (StairwAI) (project No. 101017142). Funded by the EU general research and innovation program HORIZON 2020. JSC Tilde IT. https://cordis.europa.eu/project/id/101017142.

(06 2020 – 05 2021) Researcher. COMPRISE (Cost-effective, Multilingua, Privacy-driven voice-enabled Services) (project No. 825081). Funded by the EU general research and innovation program HORIZON 2020. JSC Tilde IT. https://cordis.europa.eu/project/id/825081.