



# Dr. Dmitry Ryumin

AI EXPERT

Head of LEYA Lab for Natural Language Processing, HSE University  
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*"Innovate today, or become obsolete tomorrow."*

## Summary

Dr. Dmitry Ryumin is a scientific researcher and AI expert, with a portfolio of publications in high-impact Q1 journals and top-tier A\* conference proceedings. He is an active reviewer for leading international journals and conferences. His research interests cover a wide range of areas, including speech technology, audio-visual speech recognition, sign language recognition, pattern recognition, computational linguistics, affective computing, assistive technologies, interpreted data processing, intelligent video analysis, computer vision, automatic machine learning, and multimedia systems.

## Education

### ITMO University

PHD IN ENGINEERING

*St. Petersburg, Russia*

*Sep. 2016 - Dec. 2020*

- Thesis: "Models and Methods for Automatic Recognition of Russian Sign Language Elements for Human-Machine Interaction", supervised by Prof. A. Karpov

## Program Committees

- 2025 **Organizer & Program**, 27th International Conference on Speech and Computer (SPECOM)
- 2024 **Organizer & Program**, 26th International Conference on Speech and Computer (SPECOM)
- 2023 **Organizer & Program**, 25th International Conference on Speech and Computer (SPECOM)

*Szeged, Hungary*

*Belgrade, Serbia*

*Hubli-Dharwad, India*

## Community Services

### Reviewing for Elsevier journals

- |  |    |
|--|----|
| • Expert Systems with Applications (SJR 24 - 1.854)                            | 31 |
| • Engineering Applications of Artificial Intelligence (SJR 24 - 1.652)         | 24 |
| • Knowledge-Based Systems (SJR 24 - 1.934)                                     | 17 |
| • Heliyon (SJR 24 - 0.644)   | 13 |
| • Data in Brief (SJR 24 - 0.198)   | 13 |
| • Image and Vision Computing (SJR 24 - 0.791)                                  | 11 |
| • Neurocomputing (SJR 24 - 1.471)  | 11 |
| • Computers and Electrical Engineering (SJR 24 - 1.053)                        | 11 |
| • Pattern Recognition (SJR 24 - 2.058)   | 11 |
| • Information Fusion (SJR 24 - 4.128)  | 7  |
| • Neural Networks (SJR 24 - 1.491)   | 6  |
| • International Journal of Cognitive Computing in Engineering (SJR 24 - 1.566) | 5  |
| • Intelligent Systems with Applications (SJR 24 - 0.969)                       | 5  |
| • Pattern Recognition Letters (SJR 24 - 1.005)                                 | 4  |
| • Computer Vision and Image Understanding (SJR 24 - 0.856)                     | 4  |
| • Computer Speech and Language (SJR 24 - 0.778)                                | 4  |
| • Applied Soft Computing (SJR 24 - 1.511)                                      | 4  |
| • SoftwareX (SJR 24 - 0.483)   | 2  |
| • Visual Informatics (SJR 24 - 0.593)  | 2  |
| • Speech Communication (SJR 24 - 0.493)  | 2  |
| • Natural Language Processing Journal  | 2  |
| • Measurement (SJR 24 - 1.244)   | 2  |
| • Computers in Biology and Medicine (SJR 24 - 1.447)                           | 2  |
| • Displays (SJR 24 - 0.665)  | 2  |

Reviewing for Elsevier journals

• Aquacultural Engineering (SJR 24 - 0.836)	1
• Internet of Things (SJR 24 - 1.527)	1
• World Development Sustainability (SJR 24 - 0.984)	1
• Information Processing and Management (SJR 24 - 2.062)	1
• Displays (SJR 24 - 0.665)	1
• Advances in Space Research (SJR 24 - 0.704)	1

Reviewing for IEEE journals

• IEEE Transactions on Circuits and Systems for Video Technology (SJR 24 - 1.858)	5
• IEEE Access (SJR 24 - 0.849)	2
• IEEE Transactions on Human-Machine Systems (SJR 24 - 1.132)	1

Conference Reviewing

- EMNLP 2025
- INTERSPEECH 2024-25
- SPECOM 2023-25

Skills

<b>Speech &amp; Audio Processing</b>	Audiovisual Speech Recognition, Emotional Speech Analysis, Affective Computing
<b>Sign &amp; Gesture Recognition</b>	Sign Language Recognition, Gesture-based Interfaces, Assistive Technologies
<b>Computer Vision &amp; Video Analytics</b>	Object Detection, Visual Command Recognition, Intelligent Video Analytics
<b>Machine Learning &amp; Deep Learning</b>	Neural Networks, Transformer-based Models, Automatic Machine Learning
<b>Natural Language Processing</b>	Computational Linguistics, Multimodal NLP, Interpreted Data Processing
<b>Multimedia &amp; Multimodal Systems</b>	Multimodal Emotion Recognition, Multimodal Interfaces, Human-Robot Interaction
<b>Applied AI Systems</b>	Speech-Driven Exoskeletons, Driver Monitoring Systems, AI-based Medical Assistive Tools