# Dr. Dmitry **Ryumin**


AI Expert

*Head of LEYA Lab for Natural Language Processing*
*Senior researcher of the Speech and Multimodal Interfaces Lab*

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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** — *St. Petersburg, Russia*

PhD in Engineering — *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) | *Szeged, Hungary* |
| 2024 | **Organizer & Program**, 26th International Conference on Speech and Computer (SPECOM) | *Belgrade, Serbia* |
| 2023 | **Organizer & Program**, 25th International Conference on Speech and Computer (SPECOM) | *Hubli-Dharwad, India* |

## Community Services

### Reviewing for Elsevier journals

| | |
|---|---|
| Expert Systems with Applications (SJR 24 - 1.854) | 29 |
| Engineering Applications of Artificial Intelligence (SJR 24 - 1.652) | 22 |
| Knowledge-Based Systems (SJR 24 - 1.934) | 14 |
| 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 |
| Neural Networks (SJR 24 - 1.491) | 6 |
| Information Fusion (SJR 24 - 4.128) | 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) | 3 |
| 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 |
| Aquacultural Engineering (SJR 24 - 0.836) | 1 |

### Reviewing for Elsevier journals

- 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) 3
- 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

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