



84<sup>th</sup> International Scientific  
Conference of the  
University of Latvia 2026



LATVIJAS  
UNIVERSITĀTE

## Kognitīvās sistēmas un tehnoloģijas / Cognitive Systems and Technologies

Trešdiena, 2026. gada 15. aprīlī, plkst. 11.00  
Zinātnes māja, Jelgavas iela 3, Rīga, 202. auditorija

Wednesday, April 15, 2026, 11.00 a.m  
House of Science, Jelgavas street 3, Riga, Room 202

### Programma | Programme

## Sesija Kognitīvās sistēmas un tehnoloģijas | Cognitive Systems and Technologies

Vadītājs | Chair: Jurģis Šķilters

- |             |   |   |
|-------------|---|---|
| 11.00–11.15 | <b>Santa Bartušēvica</b> , Jurģis Šķilters, Līga Zariņa, Solvita Umbraško, Evita Šerpa, Laura Zeļģe<br>University of Latvia<br>Latvijas Universitāte  | <b>Visual-spatial skills in children with and without functional impairments</b>  |
| 11.15–11.30 | <b>Solvita Umbraško</b> <sup>1</sup> , Līga Zariņa <sup>1</sup> , Jurģis Šķilters <sup>1</sup> , Santa Bartušēvica <sup>1</sup> , Artūrs Šilovs <sup>2</sup> , Nauris Zdanovskis <sup>2</sup> , Aleksejs Ševčenko <sup>2</sup> , Jānis Mednieks <sup>2</sup> , Laura Zeļģe <sup>1</sup> , Jeļena Šteinberga <sup>1</sup> , Baingio Pinna <sup>3</sup> , Ardis Platkājis <sup>2</sup><br><sup>1</sup> University of Latvia<br>Latvijas Universitāte<br><sup>2</sup> Rīga Stradiņš University<br>Rīgas Stradiņa universitāte<br><sup>3</sup> University of Sassari<br>Sasari Universitāte | <b>Neurodegenerative constraints on different levels of cognitive processing</b>  |
| 11.30–11.45 | <b>Agne Berga</b> , Jurģis Šķilters, Solvita Umbraško, Līga Zariņa, Santa Bartušēvica<br>University of Latvia<br>Latvijas Universitāte  | <b>The Geneva Emotion Wheel in Latvian language: The relationship between the intensity, duration and other factors of experienced emotions after the short MINI GRID</b> |
| 11.45–12.00 | <b>Jurģis Šķilters</b> , Solvita Umbraško, Līga Zariņa, Marina Pavlova, Agne Berga, Jēkabs Vanags, Olga Sozinova  | <b>Cognitive fatigue as a multi-dimensional configuration of cognitive, perceptual, and emotional factors</b>   |



	University of Latvia Latvijas Universitāte	
<b>12.00–12.15</b>	<b>Federico Paulesu</b> , Daniele Zavagno, Rossana Actis-Grosso University of Milano-Bicocca, Italy Milānas–Bikokas Universitāte, Itālija	<b>Beyond the face: The role of aesthetic "Add-ons" in activating gender and competence stereotypes</b>
<b>12.15–12.30</b>	<b>Gilles Deles-Velins</b> University of Latvia Latvijas Universitāte	<b>Cognitive tunneling in human-machine systems: A critical review of detection methods, theoretical frameworks, and emerging challenges</b>
<b>12.30–13.00</b>	<b>Kafijas pauze, diskusijas / Coffee break, discussions</b>	
<b>13.00–13.15</b>	<b>Shokoufeh Salem Minab</b> , Jurgis Šķilters University of Latvia Latvijas Universitāte	<b>Spatial correspondence between human fixation patterns and deep saliency predictions across visual scene categories</b>
<b>13.15–13.30</b>	<b>Līna Putāne</b> University of Latvia Latvijas Universitāte	<b>The role of time orientation and superstition in attitudes towards sustainable economy in Latvia</b>
<b>13.30-13.45</b>	<b>Alwin Estareja</b> University of Latvia Latvijas Universitāte	<b>Exploring the influence of social proof in the adoption of Alipay Transport Code in China</b>
<b>13.45-14.00</b>	<b>Behnam Boobani<sup>1</sup></b> , Jurgis Šķilters <sup>1</sup> , Juris Grants <sup>2</sup> <sup>1</sup> University of Latvia Latvijas Universitāte <sup>2</sup> Latvian Academy of Sport Education, Rīga Stradiņš University Latvijas Sporta pedagoģijas akadēmija, Rīgas Stradiņa universitāte	<b>AI-based cognitive-affective and neuromuscular monitoring for stress recovery in athletes: A pilot study</b>
<b>14.00-14.15</b>	<b>Jēkabs Vanags</b> University of Latvia Latvijas Universitāte	<b>Personality and cognitive aspects of artificial intelligence usage patterns</b>
<b>14.15–14.30</b>	<b>Nozlēgums, diskusijas / Conclusion, discussions</b>	