



12th International
Symposium of Cognition,
Logic and Communication
IMPACT OF
VISUOSPATIAL SKILLS
ON LEARNING

31.10. - 01.11.2017
Riga / Latvia

12th International Symposium of Cognition, Logic and Communication “Impact of Visuospatial Skills on Learning”

Programme
(October 9, 2017)

Tuesday, October 31

(University of Latvia, Raiņa bulvāris 19, aud. 13)

16.30 – 17.00 **Coffee**

17.00 – 18.30 **Panel discussion on Visuo-spatial cognition and Artificial Intelligence (with Prof. Uttal, Prof. Coecke, Prof. Stieff, and prof. Šķilters)**

(University of Latvia, Raiņa bulvāris 19, University restaurant “Daily”)

18.30 – 20.30 **Welcome reception** (hosted by Accenture). Invitations only

Wednesday, November 1

(University of Latvia, Raiņa bulvāris. 19, Lielā aula)

8.30 – 9.45 **Registration**

9.45 – 10.00 **Symposium opening**

10.00 – 11.00 Plenary lecture / Accenture MadScience Talk (free public access)

“When, how, and why does spatial thinking matter in learning science and mathematics?”

David H. Uttal, President of Cognitive Development Society and Professor at the School of Education and Social Policy & Department of Psychology, Northwestern University, Evanston, IL, USA.

11.15 – 12.00 Parallel sessions

Lielā aula

**“Color variability in
interface perception”**

**Signe Bāliņa, Dace
Baumgarte, Līga Zariņa,
Jurgis Šķilters**

University of Latvia

Mazā aula

**“Spatiotemporal vs
language skills in
causation”**

Dr. Selma Coecke,

UCL, UK

Aud. 16

**“Towards
Entrepreneurship and
Philanthropy: Method
Development”**

**Gundars Bērziņš, Inese
Muzikante, Ivars Austers**
University of Latvia

12.00-13:00 Lielā aula

Plenary session supported by Accenture

“From quantum processes to cognition via pictures”

Bob Coecke,

Professor of Quantum Foundations, Logics and Structures,
Department of Computer Science, University of Oxford, UK

13.00 – 14.00 Lunch (University Restaurant 'Daily')

14.00 – 15.00 Plenary session

“The validity of visuo-spatial ability for predicting STEM achievement.”

Mike Stieff,

Professor, Department of Chemistry, Learning Sciences Research Institute
University of Illinois-Chicago, IL, USA

15.00 – 16.30 Invited parallel workshops

Lielā aula

Workshop with

prof. David Uttal

(Northwestern University, USA)

Mazā aula

Workshop with

Prof. Bob Coecke

(Oxford University, UK)

16.30 - 17.00 Coffee break (University Restaurant 'Daily')

17:00 **Concert by Michael Holt (piano & guitar),** Boston, MA, USA.

Entrance fee – donations. (University of Latvia, Raiņa bulvāris 19, Lielā aula)

19:00 **Farewell Dinner.** Invitations only. (“Café Film Noir” at the Cinema Splendid Palace,
Elizabetes iela 61)