

NEWSLETTER

Autumn 2013

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Budapest, November 2013

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Conference report:

Eighteenth Meeting of the European Society for Cognitive Psychology (ESCoP 2013)



Photo source: <http://www.escop2013.org/>

I arrived in Budapest already on Tuesday evening in order to attend the pre-conference symposia on Wednesday. It was a great start for the conference: although I have been reading the APS papers on "Building a better psychological science", it is different when you can hear the discussion and the questions it raises. The importance of replications, the topic of E.J. Wagenmakers's talk, is central to my own research on applied cognition: one must be able to trust that the results of the basic research can

be replicated. In a big conference like ESCoP, it is not possible to see all the presentations you would like to. Therefore, it was great to have three poster sessions, each lasting more than two hours! There was plenty of time to see what you have planned to see, and also to discuss with the authors. Seldom have I seen so lively conversations as in the poster sessions of this meeting! I was inspired by several posters, the ESCoP meeting offered many interesting presentations also for a researcher who had moved to more applied issues.

In the ESCoP meetings you not only meet people you have met in conferences for years, but also new faces. The social programs showed that Budapest is a beautiful city with cheerful people. And they love dancing: both at the welcome reception and after the conference dinner at the boat we had a disco.

Virpi Kalakoski

Finnish Institute of Occupational Health, Helsinki

New book in cognitive science:

Csaba Pléh, Lilia Gurova, László Ropolyi (eds.): *New Perspectives on the History of Cognitive Science*



Cognitive science is a new discipline, about half a century old. At the same time, it has a long prehistory. This book is the work of philosophers, historians, and active cognitive scientists who try to take new perspective on the history of this emerging new interdisciplinary science of the mind. The editors believe that the emerging new discipline of cognitive science is a very apt domain to test the openness and maturity of the historians of science.

Chapters of the book while present the accepted vision of the history of cognitive

science, mainly show the diverging trends. They show importance of the disciplinary aspects, the situation of cognitive science within biological, philosophical, social, and computational studies of the mind. A special emphasis is put in reconstructing the history on the European philosophy and psychology traditions. The chapters also indicate how some of the recent developments in cognitive science can be seen as replies to the traditional challenges regarding reductionist theories of the mind.

The book is an important reading for cognitive scientists, historians and philosophers of science, psychologists, philosophers, and linguists.

Scholarships, grants

The *Stephen W. Kuffler Research Scholarship* supports original research by undergraduate and master students. The application is open for all students in Central- and Eastern Europe who carry out original research in the fields of life- and medical sciences. Application deadline: 15th November 2013. <http://www.kuffler.org/en/palyazatok.html>

The *European Society for Cognitive Psychology* has just updated its new funding programs on its website. http://www.escop.eu/awards_funding/awards/

Umpcoming conferences

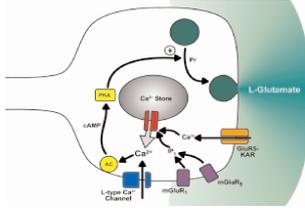


VI. Dubrovnik Conference on Cognitive Science

The next conference organized by the Central European Cognitive Science Association will be held between 22-25 May 2014 in the picturesque city of Dubrovnik, Croatia. The theme of the conference this year is Development of cognition thus the keynote and invited talks will be centred around this topic, but as usual submissions from all areas of cognitive science are welcome. More information will be soon available at our website:

http://www.cecog.eu/ducog/page_home_03.php

Other conferences that might be of your interest



Long-term potentiation: Enhancing neuroscience for 40 years

2-3 December 2013
London, United Kingdom

<http://royalsociety.org/events/2013/long-term-potentialion/>

Registration is open!



Evolution on Modern Humans: From Bones to Genomes

16-18 March 2014
Sitges, Spain

<http://www.cell-symposia-humanevolution.com/index.html>

Abstract submission deadline: 8th November 2013



Gordon Research Conference: Sleep Regulation & Function

16-21 March 2014
Galveston, United States

<http://www.grc.org/programs.aspx?year=2014&program=sleepreg>

Registration deadline: 14 February 2014



Cognitive Neuroscience Society meeting

5-8 April 2014
Boston, USA

<http://www.cogneurosociety.org/annual-meeting/upcoming-meeting/>

Abstract submission deadline: 25 November 2013



Annual International Conference of the Association of Psychology and Psychiatry for Adults and Children

13-16 May 2014 Athens, Greece

<http://www.appac.gr/displayITM1.asp?ITMID=18&LANG=EN>

Abstract submission deadline: 20 December 2013



Human Brain Mapping Conference

8-12 June 2014
Hamburg, Germany

<http://www.humanbrainmapping.org/i4a/pages/index.cfm?pageID=3565>

Registration is open!



The 23rd Biennial Meeting of the International Society for the Study of Behavioural Development

8-12 July 2014, Shanghai, China

<http://www.issbd2014.com/>

Early-bird registration deadline: 28th February 2014



VII. European Conference on Behavioural Biology

17-20 July 2014
Prague Czech Republic

<http://ecbb2014.agrobiology.eu/>

Registration will open soon



23rd Annual Conference of the International Society of Anthrozoology

9–22 July 2014
Vienna, Austria

<http://isaz2014.univie.ac.at/>

Abstract submission deadline: 31 January 2014



11th International Congress of Neuroethology

28 July - 1 August 2014
Sapporo, Japan

<http://icn2014.jp/>

Registration will open in January 2014

Introducing research institutes in Central Europe

Department of Psychology, University of Belgrade



The Department of Psychology at the University of Belgrade is traditionally based at the Faculty of Philosophy. There are a few research groups within the Department and our research group is mainly oriented towards cognitive psychology, cognitive neuroscience and applied psychology. Our main research interests are: sound-symbolism, conceptual organisation of semantic memory (particularly taxonomic and thematic organisation), categorisation, psychology of reading, visual search etc. In doing research we use standard behavioral measurements and more recently - eye-tracking and ERP methodology as well.

Our recent results suggest that sound-symbolism is a design-dependent effect and that access to semantic memory from phonological input may not be reversible, that is, a label triggers visualisation, but a shape does not yield phonological access. Furthermore, ERP findings

suggest that sound symbolism effects occurs within 200ms, both in the natural language as well as in the categorisation tasks.

Eye-tracking research and behavioural measurements suggest the strong preference towards thematic reasoning in Serbian language (unlike English). However, ERP studies seem to suggest that these preferences are strategic or context-dependent as both thematically and taxonomically related stimuli elicit similar ERP profiles.

Some of the recent data pose a challenge to form-then-meaning accounts of word recognition given the finding that the semantic similarity influences early morphological priming in Serbian.

Jelena Sucevic

Recent publications from this research lab:

Ilic, O, Kovic, V, Styles, S (2013). In the Absence of Animacy: Superordinate Category Structure Affects Subordinate Label Verification. *PLoS ONE*, accepted

Sucevic, J, Jankovic, D, Kovic, V (2013). When the Sound-Symbolism Effect Disappears: The Differential Role of Order and Timing in Presenting Visual and Auditory Stimuli. *Psychology, Advances in Cognitive Psychology*, 4, 11–18.

Feldman, LB, Kostić, A, Gvozdenović, V, O'Connor, PA, Moscoso del Prado Martín, F (2012). Semantic similarity influences early morphological priming in Serbian: a challenge to form-then-meaning accounts of word recognition. *Psychonomic Bulletin and Review*, 19(4) 668–676.

Kovic, V, Plunkett, K, Westermann, G (2010). The shape of words in the brain. *Cognition*, 114(1) 19–28.

Group of Bioacoustics, Institute of Evolutionary Physiology and Biochemistry. Russian Academy of Science



The Laboratory of Bioacoustics was founded in 1980 (head – prof. V.P. Morozov) in the Institute of Evolutionary Physiology and Biochemistry of Academy of Sciences of former USSR. Emotional intonation of speech and singing, its production and especially perception was

the first and life-long love of the laboratory's head, so it was not surprising that it was our main theme of research among some others. Besides, special attention was paid to ontogenetic features of emotional speech perception in normally speaking and speech impaired children as the problem was extremely interesting and less studied than for verbal perception and was very much consistent with evolutionary aspect of the Institute's works. After prof. Morozov left to Moscow and the Institute was reorganized we became the group of bioacoustics.

Research themes during last years include:

- Developmental features of functional brain asymmetry for perception of emotional speech prosody in normally speaking children and in children with speech disorder (stuttering) at different acoustic background.
- Correlation between psychophysiological mechanisms of perception of emotions in speech and school progress in schoolchildren (in ordinary and gifted pupils)
- Ontogenetic features of echoic and working memory and hemispheric relations for emotions

perception in normal and speech-disordered children, as well as in children with high musical competence

- Acoustic analysis of the voice cues for valence of the speech signals emotional prosody and relationship of these acoustic parameters to developmental characteristics of speech emotional prosody perception.

- Developmental features of associations of psychophysiological characteristics of speech emotional prosody perception with measures of Emotional Intelligence

E.S. Dmitrieva (Елена Дмитриева)

Recent publications from this research lab:

Dmitrieva, ES; Gelman, VY; Zaitseva, KA; Orlov, AM (2013). Perception of the emotional intonation of short pseudowords. *Neuroscience and Behavioral Physiology* 43(6): 663–669.

The Relationship between the Perception of Emotional Intonation of Speech in Conditions of Dmitrieva, ES; Gelman, VY (2012). Interference and the acoustic parameters of speech signals in adults of different gender and age. *Neuroscience and Behavioral Physiology* 42(8): 920–928.

Dmitrieva, ES; Gelman, VY; Zaitseva, KA; Lanko, SV (2008). Age-related features of the interaction of learning success and characteristics of auditory operative memory. *Neuroscience and Behavioral Physiology* 38(4): 393–398.

Dmitrieva, ES; Gelman, VY; Zaitseva, KA; Orlov, AM (2008). Peculiarities of vocal emotion expression: Analysis of acoustic parameters. *International Journal of Psychophysiology* 69(3-4): 284.

Gelman, VY; Dmitrieva, ES (2008). Recognition of speech emotional prosody valence in stimuli of different time structure (aging aspects). *International Journal of Psychology* 43(3-4): 272.

ABOUT CECOG:

The Central European Cognitive Science Association (CECOG) is a civil association promoting cooperation in the field of cognitive science in Central Europe. The association was initiated at a meeting in August 2008 by the Budapest University of Technology and the University of Zagreb. The CECOG organizing committee: Melita Kovacevic, Ilona Kovács and Csaba Pléh; President: Csaba Pléh; Managing organizers and local hosts of the DuCog series: Nevena Padovan and Attila Keresztes; Managing secretary of the association: Attila Keresztes.

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Previous newsletters are available at http://www.cecog.eu/page_newsletters.php