

International Course

MIND AND BRAIN III: Audition, Language, Communication

April 26 – May 4, 2003, Inter-University Center Dubrovnik, Croatia

Directors: Selma Supek*, University of Zagreb (* contact director)
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PROGRAM SCHEDULE

SATURDAY, April 26, 2003

10:00 - 14:30 REGISTRATION

14:45 - 15:00 Opening remarks

Session chair: C. Pleh

15:00 - 16:00 Selma Supek: **From brain signals to brain activity**

16:00 - 17:00 Melita Kovacevic: **Language development: Psycholinguistic and neurolinguistic issues**

17:00 - 19:00 *GUIDED CITY TOUR*

SUNDAY, April 27, 2003

Session chair: S. Supek

09:00 - 10:00 Chris Wood: **Introduction to Electromagnetic Recordings of Human Brain Activity**

10:00 - 11:00 Risto Ilmoniemi: **Introduction to MEG**

11:00 - 11:30 *Coffee Break*

11:30 - 12:30 Kensuke Sekihara: **Neuromagnetic source reconstruction and inverse modeling I**

12:30 - 13:00 Discussion

13:00 - 15:00 *Lunch*

Session chair: R. Ilmoniemi

15:00 - 16:00 Kensuke Sekihara: **Neuromagnetic source reconstruction and inverse modeling I**

16:00 - 17:00 Risto Ilmoniemi: **Mapping the brain with TMS**

17:00 - 17:30 *Coffee Break*

17:30 - 18:30 Jari Karhu: **Navigated Brain Stimulation - novel tools for cognitive brain research**

18:30 - 19:00 Discussion

MONDAY, April 28, 2003

Session chair: C. Wood

- 09:00 - 10:00 Peter Illes: **Phenomenology of auditory hallucinations**
10:00 - 11:00 Peter Illes: **The power of language in psychotherapy**
11:00 - 11:30 **WELCOME RECEPTION**
11:30 - 12:30 Jari Karhu: **Images of mental illness - does altered processing of auditory information impair further cognitive processes?**
12:30 - 13:00 Discussion
13:00 - 15:00 *Lunch*

Session chair: C. Pleh

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| 15:00 - 17:00 | ABSTRACTS PRESENTATIONS |
| 15:00 - 15:20 | F. Honbolygo, V. Csepe: Event-related potential correlates of the amplitude modulation of pure tones: Testing the P-center hypothesis |
| 15:20 - 15:40 | D. Szucs, V. Csepe: Different modality number-words and digits prime semantic number representations differentially |
| 14:40 - 16:00 | Armina Janyan: Visual field differences in picture naming |
| 16:00 - 16:20 | A. Susac, R. Ilmoniemi, S. Supek: Changes in the facial expression: An EEG/MEG study |
| 16:20 - 16:40 | R. Liscic, M.Grgic, Z. Pirtosek: Electrophysiological study of the Stroop effect |
| 16:40 - 17:00 | K. Simonyan, U. Jurgens: Laryngeal motorcortex and its efferent subcortical projections |
| 17:00 - 17:30 | <i>Coffee Break</i> |
| 17:30 - 19:00 | Helmut Moritz: Verbal and non-verbal thinking |

TUESDAY, April 29, 2003

Session chair: V. Csepe

- 09:00 - 10:00 Csaba Pleh: **Language and cognition in Williams syndrome I**
10:00 - 11:00 Csaba Pleh: **Language and cognition in Williams syndrome II**
11:00 - 11:30 *Coffee Break*
11:30 - 12:30 Robert Savoy: **Art of the trade-off: Research strategies in functional MRI**
12:30 - 13:00 Discussion
13:00 - 15:00 *Lunch*

Session chair: P. Illes

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| 15:00 - 16:00 | ABSTRACTS PRESENTATIONS |
| 15:00 - 15:20 | G. Dobravac, J. Kuvac, M. Palmovic: Twins in the world of specific language impairment |
| 15:20 - 15:40 | J. Iysac: The phenomenon of joint attention |
| 15:40 - 16:00 | B. Vukmanovic: Radio - the challenging news-medium |
- 16:00 - 17:00 Jurg von Ins: **The speaking creator**
17:00 - 17:30 *Coffee Break*
17:30 - 18:30 Jurg von Ins: **From magic speech to normative text**
18:30 - 19:00 Discussion

WEDNESDAY, April 30, 2003

Session chair: P. Hagoort

- 09:00 - 10:00 Selma Supek: **Images of mind: Challenges in multi-source resolution**
10:00 - 11:00 Robert Savoy: **Extracting more information from functional MRI data: A case study in multivariate analysis**
11:00 - 11:30 *Coffee Break*
11:30 - 12:30 Chris Wood: **Toward Integrated Multi-Modality Functional Imaging**
12:30 - 13:00 Discussion

13:00 - 15:00 *Lunch*

Session chair: R. Savoy

15:00 - 16:00 Ksenija Marinkovic: **Spatio-temporal dynamics of word processing**

16:00 - 17:00 Ksenija Marinkovic: **Understanding words and getting jokes: Anatomically-constrained MEG**

17:00 - 17:30 *Coffee Break*

17:30 - 18:30 Discussion

THURSDAY, May 1, 2003

Session chair: K. Marinkovic

09:00 - 10:00 Peter Hagoort: **The neurocognition of language:**

Why answers necessarily require multimodal brain imaging I

10:00 - 11:00 Peter Hagoort: **The neurocognition of language:**

Why answers necessarily require multimodal brain imaging II

11:00 - 11:30 *Coffee Break*

11:30 - 12:30 Discussion

13:00 - 14:00 *Lunch*

14:00 – 23:00 ***EXCURSION***

FRIDAY, May 2, 2003

Session chair: S. Supek

09:00 - 10:00 Hendrikus Duifhuis: **Speech perception: temporal and spectral cues**

10:00 - 11:00 Hendrikus Duifhuis: **Experimental study of temporal and spectral cues in complex sounds**

11:00 - 11:30 *Coffee Break*

11:30 - 12:30 Melita Kovacevic: **Language acquisition in Croatian in cross-linguistic perspective**

12:30 - 13:00 Discussion

13:00 - 15:00 *Lunch*

Workshop moderators: Peter Hagoort and Melita Kovacevic

15:00 – 18:00 **WORKSHOP: Methods in assessing language development**

SATURDAY, May 3, 2003

Session chair: M. Kovacevic

09:00 - 10:00 Csepe Valeria: **Brain activity correlates of language development and developmental language deficits: Traditions, facts, and trends I**

10:00 - 11:00 Csepe Valeria: **Brain activity correlates of language development and developmental language deficits: Traditions, facts, and trends II**

11:00 - 11:30 *Coffee Break*

11:30 - 12:30 Discussion

12:30 - 12:45 **Closing remarks**