### Symposium Neurocognition and Action in Sport – Individualized Diagnostics and Coaching

(4 - 6 May 2017)
Thomas Schack & Dirk Koester

#### Thursday, 4 May 2017

**CITEC Building, Room 1.204**

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<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Title</th>
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<tr>
<td>09.00 - 9.45</td>
<td><em>Introduction and overview</em></td>
<td>Prof. Thomas Schack</td>
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<td>09.45 - 10.30</td>
<td><em>Cognitive science in action - Perception-action coupling in expert athletes</em></td>
<td>Prof. Matthias Weigelt</td>
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<td>10:30 – 11.00</td>
<td><em>Coffee break</em></td>
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<td>11.00 - 12.30</td>
<td><em>Imagery and Learning</em></td>
<td>Dr. Cornelia Frank</td>
<td><strong>States of action and learning in (inter)action:</strong></td>
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<td><em>A perceptual-cognitive perspective</em></td>
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<td><strong>Shiau-Chuen Chiou</strong></td>
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<td><em>The imitation of meaningless “dance-like” actions – a new hypothesis</em></td>
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<td><strong>Alessio d Aquino</strong></td>
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<td><em>Exploring Gaze Behavior in Action Execution and Motor Imagery during Manual Interception</em></td>
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<td>12:30 – 14:00</td>
<td><em>Lunch at Uni Mensa</em></td>
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<td>14:00 - 15.30</td>
<td><em>Memory and Expertise</em></td>
<td>Ludwig Vogel</td>
<td><strong>Mental representation of complex and sequential actions as a basis for an adaptive cognitive training</strong></td>
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<td><strong>Dr. Heiko Lex</strong></td>
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<td><strong>Cognitive Representations of Tactics in Soccer</strong></td>
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<td><strong>Dr. Iris Güldenpenning</strong></td>
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<td><strong>Modulating factors of the head-fake effect in basketball</strong></td>
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<td>15:30 – 16.00</td>
<td><em>Coffee break (1.204)</em></td>
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16.00 - 17.30
Neuromasurement and Neurofeedback
Ming Yang Cheng
Enhancing Sports Performance by Neurofeedback Training
Elvis Hagan
Elite athletes’ in-event competitive anxiety responses and psychological skills usage under differing conditions: Lessons for adopting effective coaching interventions

19:00
Dinner
Restaurant Nichtschwimmer
Arndtstraße 6 - 8, 33602 Bielefeld
www.ich-bin-nichtschwimmer.de
Symposium Neurocognition and Action in Sport – Individualized Diagnostics and Coaching  
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Friday, 5 May 2017

CITEC Building, Room 1.204
9.30 - 10.30
Sport psychology  
Prof. Gershon Tenenbaum  
Measurement and Research for Cognitive Processes in Sportpsychology (working title)

10.30 – 11.00
Open discussion  
Prof. Gershon Tenenbaum  
Development of Sportpsychology and recent topics

11:00 – 11.30
Coffee break

11.30 - 13.00
Labtour and demonstration  
Manual Intelligence Lab  
EEG Lab  
Biomechanic Lab

13.00 – 14:30
Lunch at Uni Mensa

14.30 - 16.00
New Perspectives
Intro and thematic overview:
Prof. Dieter Hackfort  
New approaches in Sportpsychology Diagnostics (working title)
Dr. Kostas Velentzas  
Routines’ Adaptation in self and semi self paced sports
Dr. Andre Krause/ Ludwig Vogel  
The Supportive Personal Coach - a component of future smart homes

16.00 – 16.30
Coffee break
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Friday, 5 May 2017

16.30 - 18.00
New Technologies
Thomas Küchelmann
*Multimodal Measurement of Chess Expertise in the Project CEEGE - Overview*
Dr. Kai Essig; Benjamin Strenge
*ADAMAAS – Cognitive Technologies for Mobile and Individualized Diagnostic and Coaching*
Miguel Cienfuegos (FAMULA)
*Objects Representation, from Cognition to Action*

19.30
Dinner
Restaurant Pappelkrug
Address: Wertherstraße 311, 33619 Bielefeld
www.pappelkrug.de
Meet the Sportpsychology Experts
Prof. Gershon Tenenbaum (Florida State University; USA; former President of the International Society of Sportpsychology

Prof. Jürgen Nitsch (Sportuniversity Cologne, Germany; former President of the German Society of Sportpsychology)

Prof. Dieter Hackfort (München; former President of the International Society of Sportpsychology)

Prof. Matthias Weigelt (Paderborn, Germany, NASPSPA, asp, ISSP)

Thomas Schack (Vice President of the International Society of Sportpsychology)

Others