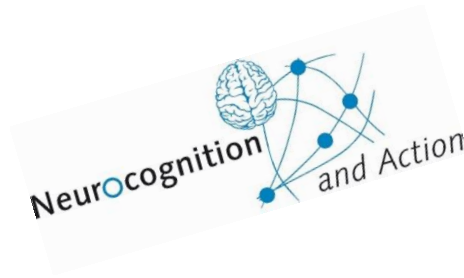




**UNIVERSITÄT
BIELEFELD**

Faculty of Psychology and
Sports Science



CITEC

Cognitive Interaction Technology
Center of Excellence
Bielefeld University



Symposium: Neurocognition and Action in Sport – New Technologies for High Performance and Rehabilitation

Bielefeld University, Germany

11th – 13th July 2019



Symposium Chair and Committee

Program Chair: Ludwig Vogel

Scientific committee: Thomas Schack, Ludwig Vogel & Christoph Schütz

Program

Thursday, 11th July 2019
CITEC Building, Room 1.204

09.00 a.m. – 11.00 a.m.

09.00 a.m. – 09.30 a.m.

Introduction and overview
Thomas Schack, Ludwig Vogel & Christoph Schütz

09.30 a.m. – 10.00 a.m.

Cognitive science in action – Evaluating the head-fake in basketball from different perspectives
Iris Güldenpenning, Paderborn University

10.00 a.m. – 10.30 a.m.

Using the past to facilitate the present - convergent effects in perception and action
Sabrina Trapp

10.30 a.m. – 11.00 a.m.

Coffee break

11.00 a.m. – 12.30 p.m.

Imagery and Learning
Chair: Cornelia Frank

11.00 a.m. – 11.30 a.m.

Imagery and Observation – new approaches for mental training
Cornelia Frank

11.30 a.m. – 12.00 p.m.

Building a Better Theory of Motor Imagery: Examining the role of Executive Functions
Scott Glover, Royal Holloway University London (RIO-Group)

12.00 p.m. – 12.30 p.m.

Observation of whole-body movement sequences: Visual perception and working memory processes in spatial and temporal domains
Shiau-Chuen Chiou

12.30 p.m. – 02.00 p.m.

Lunch at Uni Mensa

02.00 p.m. – 03.30 p.m.

Memory, Expertise and Technical Systems
Chair: Dietmar Pollmann

02.00 p.m. – 02.45 p.m.

Life long learning machines with different skill levels
Andrea Soltoggio, Loughborough University

02.45 p.m. – 03.30 p.m.

Individualized Assistive Systems
Benjamin Streng, Kai Essig (Rhine-Waal University of Applied Sciences) & Thomas Schack

03.30 p.m. – 04.00 p.m.

Coffee break

04.00 p.m. – 05.30 p.m.

Labtour: VR-demonstration & Intelligent Glasses



Manual Intelligence Lab
EEG Lab
Biomechanics Lab



07.00 p.m.

Restaurant Il Monastero www.ilmonastero.de
Address: Klosterplatz 9, 33602 Bielefeld

Program

Friday, 12th July 2019

CITEC Building, Room 1.015

09.00 a.m. – 11.00 a.m.	Theoretical perspectives for action and practice in sport I Chair: Dieter Hackfort
09.00 a.m. – 09.45 a.m.	Exploring the orthogonal relationship between controlled and automated processes in skilled action John Toner, Hull University
09.45 a.m. – 10.30 a.m.	Body Awareness in Tai Chi Stefan Marco Schneider, Institute of Cognitive Science University of Osnabrueck
10.30 a.m. – 11.00 a.m.	Coffee break
11.00 a.m. – 12.30 p.m.	Theoretical perspectives for action and practice in sport II Chair: Thomas Schack
11.00 a.m. – 11.45 a.m.	An Action-Theory Perspective on Sport Psychology Dieter Hackfort, Bundeswehr University Munich
11.45 a.m. – 12.30 p.m.	The scientist-practitioner approach in performance psychology Gershon Tenenbaum, The Interdisciplinary Center (IDC), B. Ivcher School of Psychology, Herzlia, Israel
12.30 p.m. – 02.00 p.m.	Lunch at Uni Mensa
02.00 p.m. – 03.00 p.m.	Sport Performance, Body Awareness and New Technologies in Sport Chair: Christoph Schütz
02.00 p.m. – 02.30 p.m.	New technologies and psychological skills training from emerging countries Elvis Hagan, University of Cape Coast
02.30 p.m. – 03.00 p.m.	How to use music and dance for performance in Sport Athán Amasiatu, Port Harcourt Rivers State-Nigeria
03.00 p.m. – 04.30 p.m.	New Technologies for better performance in rehabilitation and institutions for handicapped people Chair: Kostas Velentzas
03.00 p.m. – 03.30 p.m.	New technologies to support people with handicaps in education and daily life – a practical perspective Ellen Schack, v. Bodelschwing Foundations, Bethel
03.30 p.m. – 04.00 p.m.	Assistive Systems and Adaptive Cognitive Training for people with handicaps and in sport Ludwig Vogel, Benjamin Strengé, Kai Essig (Rhine-Waal University of Applied Sciences) & Thomas Schack
04.00 p.m. – 04.30 p.m.	AVIKOM - A cognitive and mobile assistance system to provide audiovisual support in the modern working world Alexander Neumann & Benjamin Strengé

04.30 p.m. – 05.00 p.m. Coffee break

05.00 p.m. – 06.30 p.m. **Recent topics in sportpsychology**
Chair: Ludwig Vogel

05.00 p.m. – 05.30 p.m. Sportpsychology from an international perspective
Dieter Hackfort, Gershon Tenenbaum, Thomas Schack

05.30 p.m. – 06.30 p.m. Development of sportpsychology and recent topics – open discussion
Hackfort, Tenenbaum, Amasiatu, Hagan, Frank, Velentzas, all

07.30 p.m. **Restaurant Pappelkrug**
Address: Wertherstraße 311, 33619 Bielefeld
www.pappelkrug.de

Neurocognition and Action – Biomechanics Research Group



www.neurocognition.de

Program

Saturday, 13th July 2019

Address: University and Pappelkrug

02.00 p.m.

Meet the Experts: Dynamic Symposium Roundtable

Gershon Tenenbaum
Former President of the International Society of
Sportpsychology

Dieter Hackfort, München
Former President of the International Society of
Sportpsychology

Athan Amasiatu
Managing Council member of the International
Society of Sportpsychology

Elvis Hagan
University of Cape Coast, Ghana

Scott Glover
Royal Holloway University London (RIO-Group)

Thomas Schack
Vice President of the International Society of
Sportpsychology

The NCA Research Group & Others



Manual Intelligence from a historical perspective: Blacksmith Workshop

Demonstration: Basic Motor Skills, Survival etc.

Barbecue

ADDRESS & CONTACT

CITEC-Building

Inspiration 1
33619 Bielefeld

Thomas Schack

Room: UHG N3-120
Phone: +49 521 106 5127
thomas.schack@uni-bielefeld.de

Christoph Schütz

Room: CITEC 1.412
Phone: +49 521 106 5128
christoph.schuetz@uni-bielefeld.de

Ludwig Vogel

Room: UHG N3-127
Phone: +49 521 106 5131
ludwig.vogel@uni-bielefeld.de

Secretary

Susanne Höke
Room: UHG N3-122
Phone: +49 521 106 6991
susanne.hoeke@uni-bielefeld.de

