

Monday, 20th August 2018

15:00 - 18:00	Registration
18:00	Welcome Reception at Mälzer Brau- und Tafelhaus

Tuesday, 21st August 2018

9:00 - 9:15	Welcome Remarks and Announcements
9:15 - 10:00	Keynote Lecture Mother Nature's magic bullets: enhancing the terpenoid arsenal by environmental cues <i>Wilhelm Boland</i>
10:20 - 12:30	Symposium 1: Auditory Temporal Processing <i>organised by Leah Fostick and Harvey Babkoff</i> Auditory temporal processing: Evidence for multiple phenomena <i>Leah Fostick and Harvey Babkoff</i> Time windows in sensory processing as neural basis for cognitive functions <i>Ernst Pöppel, Taoxi Yang, Bin Zhou, and Yan Bao</i> Modulation of temporal order judgment in audition <i>Yan Bao, Zhilin Zhang, and Xiaoxiong Lin</i> Localizing sounds in time: A new timing task to prevent chronometric counting? <i>Martin Riemer, Paula Vieweg, and Thomas Wolbers</i> Temporal process: What it can tell us <i>Eliane Schochat</i>
12:30 - 13:40	Lunch Break
13:40 - 16:00	Session I Hemispheric evoked potentials and subjective threshold of auditory stimuli for human <i>Kazi Saifuddin and Nazmul A. Khan</i> Major and minor chords perception by professional musicians and non-musicians <i>Stanislav O. Skorik and Nickolay A. Almayev</i> Searching for a measure of auditory temporal resolution: Preliminary data <i>Shuji Mori, Ryota Aratake, Kazuhito Ito, Yoh-ichi Fujisaka, Takashi Morimoto, Shunsuke Tamura, and Nobuyuki Hirose</i> Judging noise annoyance as a function of task load: Effects of noise sensitivity <i>Wolfgang Ellermeier, Florian Kattner, Ewald Klippenstein, and Catherine Marquis-Favre</i> Binaural loudness of moving sources in free field: Perceptual measurements versus at-ear levels <i>Sabine Meunier, Sophie Savel, Jacques Chatron, and Guy Rabau</i> Effect of sound on memorization of visual images <i>Natalia Postnova, Shin-ichiro Iwamiya, and Gerard B. Remijn</i>
16:30	Guided City walk

Wednesday, 22nd August 2018

9:00 - 11:00 Symposium 2: Level Anchored Ratio Scalings

organised by Elisabet Borg

So what's that on a scale from 1 to 10?

Elisabet Borg

Assessing traits in a psychophysical way: Reassessing need for cognition and behavioral inhibition/approach

Sebastian Cancino-Montecinos and Elisabet Borg

Reliability of auditory perceptual assessment of hypernasality in speech using different scales

Anette Lohmander, Renata Yamashita, Svante Granqvist, and Elisabet Borg

Improving the psychological assessment of patients by using psychophysical methods

Adsson Magalhães, Elisabet Borg, Ewa Mörtberg, and Marcelo Costa

Validity evidence of the specific pictorial scale of perceived exertion for football players - GOL Scale: The pictorial scale to measure the perceived exertion in sport

Luis Felipe Tubagi Polito, Elisabet Borg, Aylton José Figueira Junior, Marcelo Callegari Zanetti, Carla Giuliano de Sá Pinto Montenegro, Helton Magalhães Dias, Douglas Popp Marin, and Maria Regina Ferreira Brandão

11:20 - 12:00 Session II

From the Outer Psychophysics of SS Stevens to the inner psychophysics of Mind Genomics

Howard R. Moskowitz

Children's early numerical competency and PlayWisely

Craig Leth-Steensen and Patricia A. Hannan

12:00 - 13:20 Lunch Break

13:40 - 15:00 Poster session 1

Acoustic gnosis alterations and its relation to cognition and visual spatial processing performance in children

Patrícia Cunha, Isabella M.C. Silva, Elaine R. Neiva, and Rosana M. Tristão

Disentangling the impact of prosody and semantics in emotional speech perception: A compilation of emotionally affective and neutral sentences in German

Sabrina Defren, Patricia B. C. Wesseling, Shanley Allen, Vered Shakuf, Boaz M. Ben-David, and Thomas Lachmann

Investigating differences in the effect of stimulus entrainment on auditory cognition as a function of musical training.

Naomi du Bois, Aleksandar Aksentijevic, and Mark A. Elliott

Self-control determines observer's strategies in loudness discrimination

Svetlana A. Emelianova and Aleksey N. Gusev

Perceptual control of the irrelevant speech effect as a result of training on a dichotic listening task

Florian Kattner, Stefan Coels, and Wolfgang Ellermeier

Pause duration influences impressions of speech style in English public speaking

Shimeng Liu, Yoshitaka Nakajima, and Mark A. Elliott

Effects of uncertainty on feedback processing in a speech-nonspeech discrimination paradigm: Behavioral and electrophysiological evidence

Petra Ludowicy, Tina Weis, André Haese, Daniela Czernochowski, and Thomas Lachmann

Sound assessment of aircraft overflights

Svea Missfeldt and Rainer Höger

An acoustic analysis of preposition phrases in English

Xiaoyang Yu, Yoshitaka Nakajima, Yixin Zhang, Takuya Kishida, and Kazuo Ueda

Multivariate acoustic analysis of initial consonant clusters in English

Yixin Zhang, Yoshitaka Nakajima, Xiaoyang Yu, Kazuo Ueda, Takuya Kishida, Gerard B. Remijn, Sophia Arndt, and Mark A. Elliott

15:20 - 16:00 Invited Lecture

Ideal observer models in cognitive science: Progress or fad?

Frank Jäkel

16:20 - 17:50 Session III

New mathematical formalism of inner psychophysics

Ihor Lubashevsky

Modeling neural response change thresholds as random variables without memory: Implications for psychophysics

Wm Wren Stine

On the origins of the power function exponent

Willy Wong

Mathematical definition of evidence in Bayesian model of decision making and confidence estimation in sensory tasks

Valentin M. Shendyapin

Thursday, 23rd August 2018

9:00 - 10:15 Session IV

Critical thinking in the monolingual and bilingual population

Sophia Arndt, Shimeng Liu, Yuko Yamashita, Yoshitaka Nakajima, Stanislava Antonijevic-Elliott, and Mark A. Elliott

A spectral-change factor related to sonority makes noise-vocoded Japanese speech intelligible

Takuya Kishida, Yoshitaka Nakajima, Kazuo Ueda, Gerard B. Remijn, and Seiya Umemoto

Do prosodic cues need a visa to travel? The perception of emotions in speech across languages: Evidence from Hebrew, English and German.

Vered Shakuf, Cilla Zack, Lior Tidhar, Shira Golani, Boaz M. Ben-David, Sarah Ben-David, Thomas Lachmann, Patricia de Brito Castilho Wesseling, Sabrina Defren, Thomas Wegner, and Shanley Allen

10:30 - 12:30 Symposium 3: Bioelectronics

with the invited speakers

Advances with Cochlear Implants

Bernhard Laback

Retinal Implants: from first concepts to first patients and beyond

Peter Walter, Tibor Lohmann, Kim Schaffrath, and Sandra Johnen

Somatosensory feedback prostheses

Caroline Dietrich and Thomas Weiss

12:30 - 13:40 Lunch Break

14:00 - 15:10 Poster session 2

Generalization abilities of prevalent deep generative models and the human brain: A psychophysics perspective

Rajesh Chidambaram, Vera Eymann, Michael Kampffmeyer, Xiaodan Liang, and Thomas Lachmann

Valence of targets and of flankers affects critical spacing in crowding

Lisa V. Eberhardt, Anke Huckauf, andwe Ferdinand Pittino

Where do we look next? First steps towards a scan path theory

Rainer Höger and Marlene Schlorf

Enhancing the cognitive and motor abilities of very young children: A pilot study of the efficacy of the PlayWisely approach

Craig Leth-Steensen, Elena Gallitto, and Patricia A. Hannan

Phase transitions in binary categorization: Evidence for dual-system decision making

Ihor Lubashevsky, Ian Wilson, Rio Suzuki, and Yuki Kato

Bayesian hierarchical modelling of goal side selection in a soccer penalty kicking task

Geoffrey R. Patching and Mauro R. Pereira

The target determines the journey: Letters elicit specific processing strategies in character-strings

Andreas Schmitt and Thomas Lachmann

15:20 - 17:30 Session V

The 2-D Mind: How children develop an understanding of linear perspective

Michelle Galanter

Differential contextual learning effects in photopic and mesopic environments

Zhuanghua Shi, Xuelian Zang, Hermann J. Müller, and Linyun Huang

The role of stereoscopic cues in identifying objects in a cluttered visual field

Bruce A. Schneider and Cristina D. Rabaglia

Influence of expectations on the appreciation of brief movies

Joanie Drouin, Vincent Laflamme, and Simon Grondin

Boundary extension and the cueing of scene category

Timothy L. Hubbard and Susan E. Ruppel

The psychophysical biomarker of chronic stress: The desynchronization of magnocellular and parvocellular visual pathways

Irina Shoshina, Roman Sergienko, Ekaterina Zavyalova, and Andrey Gruzdev

18:00 Gala Dinner, Glockenhaus

Friday, 24th August 2018

9:00 - 12:00 Session VI

The locus of decision-making and confidence processing: Autonomous or integrated response selection systems?

Jordan Richard Schoenherr

Same Stimulus – Different Constellation: The visual mismatch negativity investigated with Garner’s patterns.

Ann-Kathrin Beck, Thomas Lachmann, Daniela Czernochowski, Corinna A. Christmann, and Stefan Berti

Comparing sensory capacity: An estimate of functional wealth

Christian Graff

Reptiles’ decision making strategies in a choice between response alternatives (color discrimination task) and possible similarities with human behavior

Irina G. Skotnikova and Roman V. Zhelankin

Comparison of Weber fractions obtained in a simulation study and a behavioral experiment using unforced choice paradigms

Christian Hatzfeld, Mario Kupnik, and Florian Kattner

Fechner’s three experimental methods: Do the results correlate?

Nan Yang, Roger D. Adams, Jia Han, and Gordon Waddington

12:00 - 13:20 Lunch Break

14:00 - 15:10 Poster session 3

The other’s pain: How mothers perceive their infant’s pain perception

Talyta S. Araujo, Lucas A. Vargas, José A. L. Jesus, and Rosana M. Tristão

Multisensory interaction between olfaction and face gender judgements

Patricia Geiger, Alice Stephan, Tina Plank, Géza G. Ambrus, Gyula Kovács, and Mark W. Greenlee

Effects of sensitivity, bias, and stimulus presentation order in comparative discrimination of interval durations: A univariate and multivariate study

Åke Hellström and Thomas H. Rammsayer

Crossmodal associations between olfaction and vision: Color and shape visualizations of odors

Kathrin Kaeppler

Quantifying environmental intolerance with a smartphone app

Gregory Neely, Oskar Nilsson, Simon Lind, and Steven Nordin

Time perception of the very distant future

Hans-Rüdiger Pfister and Gisela Böhm

Change in odor assessment through cognitive embedding

Vanessa Thiele, Malte Wiethage, and Kirsten Sucker

The shape-weight illusion and the brightness-weight illusion

Michele Vicovaro, Katia Ruta, and Giulio Vidotto

15:20 - 16:50 Session VII

Two-dimensional scaling of environmental odors in field-studies

Kirsten Sucker, Ralf Both, Frank Müller, Michael Bischoff, and Gerhard Winneke

Sensory performance indices in chronic patients

T.A. Zabrodina and A.S. Sorokin

Command signals and feedback in the perception of weight and mass

Helen E. Ross

Influence of a falling body mass on its perceived naturalness and predicted time-to-contact with the ground

Michele Vicovaro, Luca Battaglini, and Stefano Noventa

17:00 - 18:00 Business Meeting

18:00 Farewell Reception