Hörmetjan Yiltiz

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Education Background

Department of Psychology, Peking University **Beijing**
B.S. in Psychology *2010–2014*
Key Courses: Cognitive Psychology, Experimental Psychology, Psychological Assessment, Social Cognition, Neuropsychology, Functional Anatomy of Central Nervous System, General Biology, Engineering Psychology, Psychological Statistics, Data Structures and Algorithms, Introduction to Computation, Probability Theory and Statistics

Areas of Research Interest

Affective computing, computational modeling, emotions, decision-making, crossmodal perception.

Academic Experience

Research Activities

Center for Brain and Cognitive Sciences, Peking University **Beijing**
Supervisor: Prof. Lihan Chen, clh@pku.edu.cn *2014–Present*

- 2014 — Present: **Yiltiz, H.** & Chen, L. (2014). Tactile input and empathy ability modulate the perception of ambiguous biological motion. *Frontiers in Psychology*. (Manuscript in preparation, abstract accepted).
- 2013 – 2014: **Tactile Input Resolves Complex Biological Motion Visual Perception.** Undergraduate thesis (received A+).
- 2012 – 2013: **Meaningful Biological Motion Perception Affected by Tactile Cue.** Supervised independent project, funded by *Beijing Innovation Projects for Undergraduate Students.*

Key Laboratory of Noise and Vibration Research, Chinese Academy of Sciences **Beijing**
Lab Assistant, supervisor: Prof. Ming Bao, baoming@mail.ioa.ac.cn *2012–2013*
Helped set up a new Auditory Localization Lab, responsible for lab space design, test parameters and technical assistance.

Motor Control Lab, Department of Psychology **Beijing**
Research Assistant, supervisor: Prof. Kunlin Wei, wei.kunlin@pku.edu.cn *2011–2013*
Implemented virtual reality experiment program for automatic hardware-aided targeting of flying objects.

International Conferences

- **Yiltiz, H.** & Chen, L. (2013). Tactile inputs resolve the ambiguous perception of biological point light walkers. *Vision Science Society*, USA, Naples, Florida. doi: 10.1167/13.9.190
- **Yiltiz, H.** & Chen, L. (2013). Tactile temporal groupings bias perception of ambiguous point light walkers. *The 9th Asia-Pacific Conference on Vision.* China, Jiangsu, Suzhou. doi: 10.1002/pchj.32

Internships & Social Activities

Xinjiang Education Institute **Urumqi, Xinjiang**
Instructor for Developmental Psychology *July – Sept 2014*
Delivered 40 class lectures on Preschool Child Psychology, organized five class activities and a final examination.

The 23th World Philosophy Congress (23th WCP) **Athens, Greece**
The Secretary-General, Delegation of Peking University for 23th WCP *Aug 2013*
Responsible for official business, paper submission, publicity and socializing with related participants.

International Congress for Traditional Chinese Medicine **Xinmi, Henan**
Simultaneous interpretation from English to Chinese for the keynote speakers. *Oct 2012*

Beijing Huilongguan (Psychiatric) Hospital — **Beijing**
Mental Health Evaluation, supervised by Prof. Mingyi Qian, qmy@pku.edu.cn — *May 2013*

Weixiuyuan Kindergarten & Pei–Chi School for Intellectually Disabled Children — **Beijing**
Psychological Development Consultant, supervised by Prof. Yanjie Su, yjsu@pku.edu.cn — *Nov 2012*

Western Cultural Exchange Association, Peking University — **Athens, Greece**
Leader of the Financing Division — *2012 – 2014*
Sought funding from relevant companies and provided lecture opportunities for financial support.

Arts of Declamation Association, Peking University — **Beijing**
Leader of the International Division — *2010 – 2012*
Recruited international students and cooperated with other students' association for interdisciplinary lectures.

Honors & Awards

2012 – 2014, each year: Awards for Outstanding Campus Social Activities.

2010 – 2014, each year: National Scholarship for College Students.

2013: Best Translator of The Year by *National Literature* for translating **The Old Man and the Sea** to Uyghur.

2011: Awards for Outstanding Class Leader.

Languages & Standardized Tests

Uyghur: First language — *Native, orally fluent, academic competent*

Mandarin: Second language — *Native, orally fluent, academic competent*

English: Foreign language — *orally fluent, academic competent*

- TOEFL – 109 (Reading 29, Listening 30, Speaking 23, Writing 27) Oct 2014.
- GRE – 325 (Verbal 158, 78%; Quantitative 164 ,90%; Analytically Writing 3.0, 15%) Oct 2014.

Arabic: Foreign language — *Basic words, phrases and daily communication*

Computer Skills & Projects

Numerical: Proficient at MATLAB® & Python for experimental design, visualization, data cleansing & analysis, pattern recognition, probabilistic models, digital analog I/O; also at R & SPSS for statistics.

OS: Proficient at Linux & Windows for OS administration, networking and database management (MySQL).

Misc: Familiar with LaTeX, Endnote for academic writing, and Lisp for optimization & pattern recognition.

Projects

Point Light Walkers: An open source MATLAB® toolbox for biological motion research providing:
https://github.com/hyiltiz/PLW

- Various straightforward psychophysics experimental design;
- 4 dimensional data transformation representing biological motion animation in 3D space;
- Visual, auditory and tactile simulation with high precision response capturing;
- Semi-automated data cleansing and data analysis (ANOVA, MAVONA, rANOVA and more);
- Easy producing various academic plots for publishing or presentation.

QuiCK Customizable K(q)uestionnaire: An open source MATLAB® toolbox for social survey providing:
https://github.com/hyiltiz/QuiCK

- Several ready-to-use basic structures as templates;
- Support for multiple choice questions with several and/or several answers with reaction time capturing;
- Seamless integration with psychophysics experiments using Psychtoolbox library;
- Customizable instructions for each item or each sub-scale separately;
- Automatic encoding to generate the result for each sub-scale.