

## CML Summer School 2016 Sept. 5-10, Beijing

(Sino-German Transregio Collaborative Research Centre

Crossmodal Learning [www.crossmodal-learning.org](http://www.crossmodal-learning.org))

	<b>Mon Sept. 5</b> Pickup at Hotels	<b>Tue Sept. 6</b> Pickup at Hotels	<b>Wed Sept. 7</b> Sino- German Science Center	<b>Thu Sept. 8</b> Sino- German Science Center	<b>Fri Sept. 9</b> Sino- German Science Center	<b>Sat Sept. 10</b> Sino- German Science Center	<b>Sun Sept. 11</b> Pickup at Hotels
	9am	9am	9am	9am	9am	9am	8am
	Lab Visit  Tsinghua University	Lab Visit  CAS Institute of Psychology	Welcome Session  ----  Project Updates	Theory Talks	Invited Talks	Workgroups	Excursion to Great Wall (all day)
<b>Lunch Break</b>	12:30-13:30	12:30-13:30	12:20-13:30	12:30-13:30	12:30-13:30	12:30-13:30	
	Lab Visit  Peking University	Lab Visit  Beijing Normal University	Project Updates  ----  Poster Session	Theory Talks  ----  Theory Workshop  ----  Forming Workgroups	Individual Project Meetings	Workgroups  ----  Excursion in Beijing Olympic Park	Excursion to Great Wall (all day)
	Welcome Dinner	Working Dinner	Working Dinner	Working Dinner	Farewell Dinner	Socializing Dinner	

## Additional Information

**Sept. 7, Wednesday:** Sino-German Science Center (北京双清路 83 号)

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- 09:00-10:00    Opening Ceremony, by  
                  Prof. Jianwei Zhang, Coordinator of TRR169 Crossmodal Learning  
                  Mr. Yingjie Fan, Natural Science Foundation of China  
                  Prof. Yu Zhou, Director of Tsinghua Research College  
                  Prof. Tilo Böhmann, Dean of Department of Informatics, University of Hamburg  
                  Dr. Jiqiang Song, INTEL Research
- 10:00-10:30    Group Photo and Tea Break
- 10:30-13:30    Project Update (Z1, Z2, Z3, A1, A2...C6 each project 10-12 min)
- 12:30-13:30    Lunch break
- 13:30-15:30    Continue Project Update (Z1, Z2, Z3, A1, A2...C6 each project 10-12 min)
- 15:30-16:00    Tea Break, Poster Preparation
- 16:00-18:00    Poster Session
- 18:30-20:00    Working Dinner

**Sept. 8, Thursday:** Sino-German Science Center (北京双清路 83 号)

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### Talks of the Theory Workshop (20 min)

- 09:00-09:20    Alex Maye
- 09:20-09:40    Embodied neural network systems for crossmodal learning, Stefan Wermter
- 09:40-10:00    Neural Models for Knowledge Acquisition from Text, Zhiyuan Liu
- 10:00-10:30    Tea Break
- 10:30-10:50    Models for 3D interaction tasks: Pointing and Steering, Frank Steinicke
- 10:50-11:10    Language-vision interaction, Xingshan Li
- 11:10-11:30    Architectures of crossmodal learning in robot systems, Jianwei Zhang
- 11:30-11:50    A PMJ Model, Xiaolan Fu
- 11:50-12:10    Causal inference, Brigitte Röder
- 12:10-12:30    Statistically Optimal Multisensory Cue integration, Lihan Chen
- 12:30-13:30    Lunch break
- 13:30-13:50    Approach for sensor fusion for control, Fuchun Sun

- 13:50-14:10 Concepts for modeling and perturbation analysis, Claus Hilgetag
- 14:10-14:30 Action-oriented accounts of cognition, Peng Wang (representing Engel)
- 14:30-14:50 Towards Generic Model of Conflict Resolution in Multimodal Interaction, Xun Liu
- 14:50-15:10 Issues of Multimodal Language Processing, Wolfgang Menzel
- 15:10-15:40 Tea Break
- 15:40-16:00 Beyond implicit learning, Xiufang Fu
- 16:00-16:20 Interaction of cross-modal integration and learning, Jan Gläscher

### **Workgroups**

- 15:50-17:00 Forming Workgroups on theory / modelling / demonstrators

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### **Sept. 9, Friday: Sino-German Science Center (北京双清路 83 号)**

#### **Invited Talks**

- 09:00-09:45 Multisensor Fusion for Personal Robot Navigation, INTEL Research
- 09:45-10:30 Multimodal Data Processing and Representation, Michael Chang, Kyper, Boston
- 10:30-11:00 Tea Break
- 11:00-11:45 Robotics Perception: from deep learning to memory based learning, Mao Ye, University of Electronic Science and Technology of China (UESTC)
- 11:45-12:30 Recent Advances in Signal Processing for Speech Enhancement, Timo Gerkmann, University of Hamburg
- 12:30-13:30 Lunch break

#### **Individual Project Meetings**

- 13:30-18:00 Individual Project Meetings (with Tea Break 15:30-16:00)
- 18:30-21:00 Farewell Dinner at the Tsinghua University Guesthouse

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### **Sept. 10, Saturday: Sino-German Science Center (北京双清路 83 号)**

#### **Workgroups**

- 09:00-15:00 Focused discussion on theory / modelling / demonstrators (with Tea Break 10:00-10:30, 13:30-16:00)

#### **Excursion in Beijing**

- 16:00-18:00 Excursion around Beijing Olympic Park
- 18:00-20:00 Socializing Dinner
- 20:00-21:00 Night talk in Beijing Olympic Park

**Sept. 11, Sunday:** (Pickup at Holiday Inn with bus)

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**Excursion to Great Wall** (all day)

8:00-16:00      Great Wall (Mu-Tian-Yu) Excursion by bus