



2018 IEEE EMBS International Summer School

August 13-17, 2018 Beijing, China



Aug 12(Sun)	9:00-17:00	Registration	Room C235, Medical Science Building, Tsinghua University
Day 1 (Medical Science Building Room B323, Tsinghua University)			
Aug 13(Mon)	9:00-10:00	Opening and Orientation	
	10:00-11:30	Keynote Lecture 1 Overview of Brain-Computer Interface	Prof. Shangkai Gao (Tsinghua University)
	11:30-11:50	Group Photo	
	<i>12:00-13:30</i>	<i>Lunch Time</i>	
	13:30-15:00	Keynote Lecture 2 Optical reading from visual brain	Prof. Anna Wang (Zhejiang University)
	<i>15:00-15:30</i>	<i>Tea Break</i>	
	15:30-17:00	Keynote Lecture 3 Emerging technologies for brain imaging and stimulation	Prof. Shanbao Tong (Shanghai Jiaotong University)
	17:00-18:00	Campus Tour	
	<i>18:00-19:30</i>	<i>Welcome Dinner</i>	
Day 2 (Medical Science Building Room B323)			
Aug 14(Tue)	9:00-12:00	Lecture 1 EEG-based mind reading methods	Prof. Yijun Wang (Chinese Academy of Sciences)
	<i>12:00-13:30</i>	<i>Lunch Time</i>	
	13:30-15:30	Student Oral Presentation	
	15:30-17:00	Student Poster Session with Tea/Coffee	
Day 3 (Medical Science Building, Room B323)			
Aug 15(Wed)	9:00-12:00	Lecture 2 ECoG-based mind reading methods	Prof. Gerwin Schalk (New York State Department of Health)
	<i>12:00-13:30</i>	<i>Lunch Time</i>	
	13:30-14:30	Seminar 1 Mind reading in natural environment	Prof. Josef Parvizi (Stanford University)
	<i>14:30-15:00</i>	<i>Tea Break</i>	
	15:30-16:00	Seminar 2 Cracking the neural code of language	Prof. Bo Hong (Tsinghua University)
Day 4 (Medical Science Building, Room B323)			
Aug 16(Thu)	9:00-10:30	Lecture 3 fNIRS-based mind reading	Prof. Han-Jeong Hwang (Kumoh National Institute of Technology)
	<i>10:30-10:40</i>	<i>Tea Break</i>	
	10:40-12:00	Lecture 4 EEG-based brain state recognition	Prof. Dan Zhang (Tsinghua University)
	<i>12:00-13:30</i>	<i>Lunch Time</i>	
	14:00-17:00	Visit to Zhongguancun Science & Technology Park	
Day 5 (H+Lab, Tsinghua Science Park)			
Aug 17(Fri)	9:00-10:00	Lecture 5: Introduction of fMRI	Prof. Pei Sun (Tsinghua University)
	<i>10:00-10:30</i>	<i>Tea Break</i>	
	10:30-12:00	Lecture 6: Deep image decoding from human fMRI	Prof. Yukiyasu Kamitani (Kyoto University)
	<i>12:00-13:30</i>	<i>Lunch Time</i>	
	13:30-14:30	Seminar 3: Inferring neural coding properties using inverted-encoding models of population response	Prof. Justin Gardner (Stanford University)
	14:30-15:30	Panel Discussion with Tea/Coffee	Yukiyasu Kamitani, Justin Gardner & Pei Sun
	15:30-16:00	Closing Summary	