



# Summer School on Rehabilitation Robotics

## Shanghai, July 7-13, 2019

### Location

- Biomedical Engineering School, Shanghai Jiao Tong University (SJTU)

### Organisers

- SJTU: Prof. Shanbao Tong, Prof. Guo-Yuan Yang, Prof. Le Xie
- ETH Zurich: Prof. Robert Riener

### Concept

- Four day summer school
- Lectures from 6 professors from ETH, SJTU, NUS  
(travel and accommodation costs will be reimbursed)
- Undergraduate and graduate students expected from Shanghai and Switzerland  
(accommodation cost will be reimbursed)

### Topics

- Therapy Robotics
- Assistive Robotics
- Virtual Reality
- Neuroprosthetics
- Neurorehabilitation
- Motor Learning

### Side Program

- Sightseeing tour at the Bund
- Night dinner at attractive location



### Contact Persons for Registration

- Ms. Hanqun Wang (SJTU): [hanqun.w@sjtu.edu.cn](mailto:hanqun.w@sjtu.edu.cn)
- Prof. Le Xie (SJTU): [lexie@sjtu.edu.cn](mailto:lexie@sjtu.edu.cn)
- Prof. Robert Riener (ETHZ): [riener@hest.ethz.ch](mailto:riener@hest.ethz.ch)

## Program

Time	Activity	Location	Notes
<b><i>Sunday, July 7</i></b>			
Before 20:00	Registration	Minhang Campus	
<b><i>Monday, July 8</i></b>			
9:00-9:30	Kicking Off Ceremony	Minhang Campus	- Project and program briefing - Meeting with project supervisors
9:30-11:45	Courses and Discussion	Minhang Campus	Prof. Robert Riener, ETH Zurich: - Rehabilitation robotics lower extremities
11:45-12:45	Lunch	School Cantine	
13:30-16:00	Courses and Discussion	Minhang Campus	Prof. Robert Riener, ETH Zurich: - Rehabilitation robotics upper extremities
17:30-19:30	Dinner		
<b><i>Tuesday, July 9</i></b>			
9:00-11:30	Courses and Discussion	Minhang Campus	Prof. Guoyuan Yang, SJTU: - Rehabilitation in China
11:45-12:45	Lunch	School Cantine	
13:30-16:00	Courses and Discussion	Minhang Campus	Prof. Hannes Bleuler, EPFL: -Lower-Limb Exoskeletons (I)
<b><i>Wednesday, July 10</i></b>			
9:00-11:30	Courses and Discussion	Minhang Campus	Prof. Hannes Bleuler, EPFL: -Lower-Limb Exoskeletons (II)
11:45-12:45	Lunch	School Cantine	
13:30-16:00	Culture event		

**Thursday, July 11**

9:00-11:30	Courses and Discussion	Minhang Campus	Prof. Jixian Wang from SJTU: - Robot-assisted for upper limb rehabilitation after stroke
11:45-12:45	Lunch	School Cantine	
13:30-16:00	Courses and Discussion	Minhang Campus	Prof. Haoyong Yu from Singapore NUS: - Design and control of robots for overground gait rehabilitation for stroke patients

**Friday, July 12**

9:00-11:30	Courses and Discussion	Minhang Campus	Prof. Xiaohong Sui, SJTU: - Neural interface technology
11:45-12:45	Lunch	School Cantine	
13:30-16:00	Award ceremony	Minhang Campus	

**Saturday, July 13**

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