

**111 Project Annual Meeting and  
Annual Meeting of Key Lab. Of High Confidence Software Technologies**

**Schedule**

**Dec 20 THU 2018**

**(Location: Jixian Meeting Room, Level 11, Building No.1, Zhongguanyuan Global Village)**

**8:50-9:00 Opening Ceremony** by Chairs: Hong Mei, Carl Chang, Tao Xie, Lu Zhang

- **09:00-10:30 Presentation Session I:** [Session Chair: **Carl Chang**]
  - Digital Health (by **Sumi Helal**)
  - Application Performance of Physical System Simulations (by **Getov Vladimir**)
  - Spatio-temporal Resources in the Autonomous-vehicles Era (by **Ouri Wolfson**)
- **10:30-11:00 Tea Break**
- **11:00-12:00 Presentation Session II:** [Session Chair: **Tao Xie**]
  - TBD (by **Ling Liu**)
  - Urban crowd sensing and computing (by **Leye Wang**)
- **12:00-14:00 Lunch**
- **14:00-15:30 Presentation Session III:** [Session Chair: **Lu Zhang**]
  - Why Technologies Spread: An Ecosystem Perspective (by **Audris Mockus**)
  - Intelligent Software Engineering: Synergy between AI and Software Engineering (by **Tao Xie**)
  - Mining Positive and Negative Association Rules for Bug Detection (by **Yan Cai**)
- **15:30-16:00 Tea Break**
- **16:00-17:00 Presentation Session IV:** [Session Chair: **Leye Wang**]
  - Adversarial-Resilience Assurance for Mobile Security Systems (by **Wei Yang**)
  - Robust Bidirectional Programming in Datalog (by **Zhenjiang Hu**)

**Dec 21 FRI 2018**

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- **9:00-10:30 Presentation Session V:** [Session Chair: **Yao Guo**]
  - Deep Learning Based Software Refactoring (by **Hui Liu**)
  - AI-assisted Program Comprehension and Generation (by **Ge Li**)
  - A Grammar-Based Structural CNN Decoder for Code Generation (by **Yingfei Xiong**)

- 10:30-11:00 Tea Break
- 11:00-12:00 Panel Discussion

Topic: **Cyber-Physical-Human Systems: Principles and Practices**

Panelist: Carl Chang, Sumi Helal, Ouri Wolfson, Getov Vladimir, Audris Mockus, Mikio Aoyama, Zhenjiang Hu, Qiaozhu Mei

Chair: **Tao Xie**

- 12:00 Closing (Chairs: **Zhi Jin and Bing Xie**)
- 12:00-14:00 Lunch