

清华三亚人工智能高峰论坛日程表  
Schedule for Tsinghua AI Summit at Sanya  
March 22-24, 2019

Conference Room:A-211

Time&Date	Friday (March22)	Time&Date	Saturday (March23)	Time&Date	Sunday (March24)
7:30-8:30	<i>Breakfast</i>				
9:00-18:00	<i>Registration</i>	<i>Chair</i>		<i>Chair</i>	
		9:00-9:30	<i>Opening</i>	9:00-9:40	<i>Hsiao-Wuen Hon</i>
		09:30-10:10	Leonidas J Guibas	09:40-10:20	Zhengyou Zhang
		10:10-10:30	<i>Coffee Break</i>	10:20-10:40	<i>Coffee Break</i>
		10:30-11:10	Song-Chun Zhu	10:40-11:10	Peng Cui
		11:10-11:50	Eric Xing	11:10-11:40	Jinhui Tang
				11:40-12:10	Yugang Jiang
12:00-13:30	<i>Lunch</i>			12:10	<i>Lunch</i>
<i>Chair</i>	<i>Yong-Jin Liu</i>	<i>Chair</i>		<i>Chair</i>	
14:30-15:00	<i>Feng Xu</i>	13:30-14:20	<i>Panel on Challenge and opportunities in AI: Theory and application</i>	13:30-14:00	Shi-Guang Shan
15:00-15:30	Weiming Dong	14:20-14:50	Liwei Wang	14:00-14:30	Liang Lin
15:30-15:45	<i>Coffee Break</i>	14:50-15:20	Jian Li	14:30-15:00	Gregory S. Chirikjian
15:45-16:15	<i>Zhiyong Wu</i>	15:20-15:50	Bo Chen	15:00-15:20	<i>Coffee Break</i>
16:15-17:00	<i>Panel Discussion</i>	15:50-16:10	<i>Coffee Break</i>	15:20-15:50	Jingkuan Song
		16:10-16:40	Yang Yu	15:50-16:20	Kai Yu
		16:40-17:10	Mingsheng Long	16:20-16:50	Liang Wang
		17:10-17:40	Hanwang Zhang	16:50-17:00	Closing session
		17:40-18:10	Xianfeng Gu		
18:00-19:30	<i>Dinner</i>	18:30	<i>Banquet</i>		Dinner

Group photos, please view and download from [www.tsimf.cn](http://www.tsimf.cn).

## March 22(Friday)

9:00-18:00 Registration

Workshop: Machine learning in graphics and media computing

Workshop chair: Yong-Jin Liu (Tsinghua University)

14:30-15:00 Feng Xu, Tsinghua University

3D Dynamic Reconstruction from Human to Scene

15:00-15:30 Weiming Dong, Institute of Automation, CAS

Image Aesthetic Assessment and Applications in Graphics

15:30-16:00 Zhiyong Wu, Graduate School at Shenzhen, Tsinghua University

When Speech Meets Graphics: Approaches for Expressive Speech Driven Talking Avatar

16:00-17:00 Panel Discussion

March 23(Saturday)

09:00-09:30 Opening

09:30-10:10 Keynote Speaker I: Leonidas J Guibas, Stanford University Shape Differences and Variability

10:10-10:30 Coffee Break

10:30-11:10 Keynote Speaker 2: Song-Chun Zhu, University of California, Los Angeles  
Explainable AI: How Machines Gain Justified Trust from Humans

11:10-11:50 Keynote Speaker 3: Eric Xing, Carnegie Mellon University

SysML: On System and Algorithm co-design for Practical Machine Learning

12:00 Lunch

13:30-14:20 Panel on Challenge and opportunities in AI: Theory and application

Session 1: Learning Theory

14:20-14:50 Liwei Wang, Peking University

Towards Understanding Learning Representation: To What Extent Do Two Networks Learn the Same Representation

14:50-15:20 Jian Li, Tsinghua University

On Generalization Error Bounds of Noisy Gradient Methods for Non-Convex Learning

15:20-15:50 Bo Chen, Xidian University

Deep Autoencoding Topic Model

15:50-16:10 Coffee Break

Session 2: Learning & reasoning

16:10-16:40 Yang Yu, Nanjing University

Towards Read-World Decision Making via Reinforcement Learning 16:40-17:10 Mingsheng Long, Tsinghua University

Generalizing Deep Learning across Domains and Tasks 17:10-17:40 Hanwang Zhang, Nanyang Technological University

Towards X Visual Reasoning

17:40-18:10 Xianfeng Gu, Stony Brook University

An Optimal Transportation (OT) View of Generative Adversarial Networks (GANs)

18:30 Banquet

### **March 24 (Sunday)**

09:00-09:40 Keynote Speaker 4: Hsiao-Wuen Hon, Microsoft Research Asia A Brief History of Intelligence

09:40-10:20 Keynote Speaker 5: Zhengyou Zhang, Tencent AI Lab Neural Network: Deep Supervision and Sensitivity Analysis

10:20-10:40 Coffee Break

Session 3: Multimedia processing

10:40-11:10 Peng Cui, Tsinghua University

Towards Stable Prediction across Unknown Environments 11:10-11:40 Jinhui Tang, Nanyang Technological University

Learning Visual Semantics from Noise Corrupted Social Media with Tag Refinement

11:40-12:10 Yugang Jiang, Fudan University

Video Content Recognition: Datasets, Algorithms and Applications

12:10 Lunch

Session 4: Visual recognition and robotics

13:30-14:00 Shi-Guang Shan, Institute of Computing Technology, CAS Visual Recognition across Heterogeneous Patterns

14:00-14:30 Liang Lin, Sun Yat-Sen University

Representation Learning Meets Knowledge Reasoning: New Trends in AI 14:30-15:00

Gregory S. Chirikjian, John Hopkins University

Stochastic models in robotics

15:00-15:20 Coffee Break

Session 5: AI applications

15:20-15:50 Jingkuan Song, University of Electronic Science and Technology of China

Generative Adversarial Networks with Its Applications

15:50-16:20 Kai Yu, Shanghai Jiaotong University

Dialogue Policy Adaptation with Structured Deep Reinforcement Learning 16:20-16:50 Liang

Wang, Institute of Automation, CAS

Deep Cognitive Networks and Their Visual Applications

16:50-17:00 Closing session