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Microsoft Research Asia Faculty Summit 2016

Intelligent and Invisible Computing

Agenda



Friday, November 4

2016
DAY 1

Time	Session	Speaker	Location
08:20 - 8:30	Opening and Welcome	Yong-Hak Kim , President, Yonsei University Peter Lee , Corporate Vice President, Microsoft Research	
08:30 - 9:30	Future AI 2025	Moderator: Tie-Yan Liu , Microsoft Research Panelists: Marti A. Hearst , University of California, Berkeley Hsiao-Wuen Hon , Microsoft Research Seong-Whan Lee , Korea University Masashi Sugiyama , RIKEN / The University of Tokyo	
09:30 - 9:50	Break		
09:50 - 11:10	Track Session 1		Track A,B,C
11:10 - 12:30	Track Session 2		Track A,B,C
12:30 - 14:00	Lunch + Research Showcase		
14:00 - 15:20	Track Session 3		Track A,B,C
15:20 - 16:40	Track Session 4		Track A,B,C
16:40 - 17:00	Break		
17:00 - 18:00	Future Talent 2040	Moderator: Tim Pan , Microsoft Research Panelists: Juliana Freire , New York University Sue Moon , KAIST Fred Schneider , Cornell University Xiaofan Wang , Shanghai Jiao Tong University	
18:30 - 20:30	Dinner Event at Four Seasons Hotel Seoul		

Track A

2016
DAY 1

Time	Session	Speaker	Location
09:50 - 11:10	Track A-1 MSR AI Engage – Learning and Intelligence	Chair: Evelyne Viegas , Microsoft Research Speakers: Nicole Beckage , The University of Kansas Katsu Ikeuchi , Microsoft Research Change D. Yoo , KAIST	Track A
11:10 - 12:30	Track A-2 Machine Learning: Theory Meets Application	Chair: Tie-Yan Liu , Microsoft Research Speakers: Hwanjo Yu , POSTECH Wei Chen , Microsoft Research Wensheng Zhang , Chinese Academy of Sciences	
14:00 - 15:20	Track A-3 Machine Learning System and Infrastructure	Chair: Tao Qin , Microsoft Research Speakers: James Tin-Yau Kwok , Hong Kong University of Science and Technology Chih-Jen Lin , National Taiwan University Taifeng Wang , Microsoft Research	
15:20 - 16:40	Track A-4 Deep Learning and Reinforcement Learning	Chair: Taifeng Wang , Microsoft Research Speakers: Tao Qin , Microsoft Research Masashi Sugiyama , RIKEN / The University of Tokyo Dit-Yan Yeung , Hong Kong University of Science and Technology	

Track B

2016
DAY 1

Time	Session	Speaker	Location
09:50 - 11:10	Track B-1 How to Make Spoken Dialogue based Intelligent Agent Pervasive?	Chair: Qiang Huo , Microsoft Research Speakers: Jingdong Chen , Northwestern Polytechnical University Tatsuya Kawahara , Kyoto University Kai Yu , Shanghai Jiao Tong University	Track B
11:10 - 12:30	Track B-2 Video Analysis and Understanding	Chair: Wenjun Zeng , Microsoft Research Speakers: Gunhee Kim , Seoul National University Shin'ichi Satoh , National Institute of Informatics, Japan Junsong Yuan , Nanyang Technological University	
14:00 - 15:20	Track B-3 Social Multimedia and Visual Q&A	Chair: Jingdong Wang , Microsoft Research Speakers: Peng Cui , Tsinghua University Toshi Yamasaki , The University of Tokyo Lexing Xie , The Australian National University	
15:20 - 16:40	Track B-4 Learning for Vision and Multimedia	Chair: Jindong Wang , Microsoft Research Speakers: Tatsuya Harada , The University of Tokyo Yu-Gang Jiang , Fudan University Kyong Mu Lee , Seoul National University	

Track C

2016
DAY 1

Time	Session	Speaker	Location
09:50 - 11:10	Track C-1 Conversation As A Platform (CAAP)	Chair: Ming Zhou , Microsoft Research Speakers: Tim Baldwin , The University of Melbourne Jun Zhao , Chinese Academy of Sciences	Track C
11:10 - 12:30	Track C-2 Machine Translation	Chair: Mu Li , Microsoft Research Speakers: Boxing Chen , National Research Council Canada Satoshi Nakamura , Nara Institute of Science and Technology Jiajun Zhang , Chinese Academy of Sciences	
14:00 - 15:20	Track C-3 Knowledge Mining	Chair: Jun Yan , Microsoft Research Speakers: Huajun Chen , Zhejiang University Seung-won Hwang , Yonsei University Juanzi Li , Tsinghua University	
15:20 - 16:40	Track C-4 Big Scholarly Data Research, Utilities, and Impact Assessments	Chair: Kuansan Wang , Microsoft Research Speakers: Xueqi Cheng , Chinese Academy of Sciences Seung-won Hwang , Yonsei University Irwin King , Chinese University of Hong Kong Sung-Hyon Myaeng , KAIST Min Song , Yonsei University Chengxiang Zhai , University of Illinois at Urbana-Champaign	







Saturday, November 5 2016 DAY 2

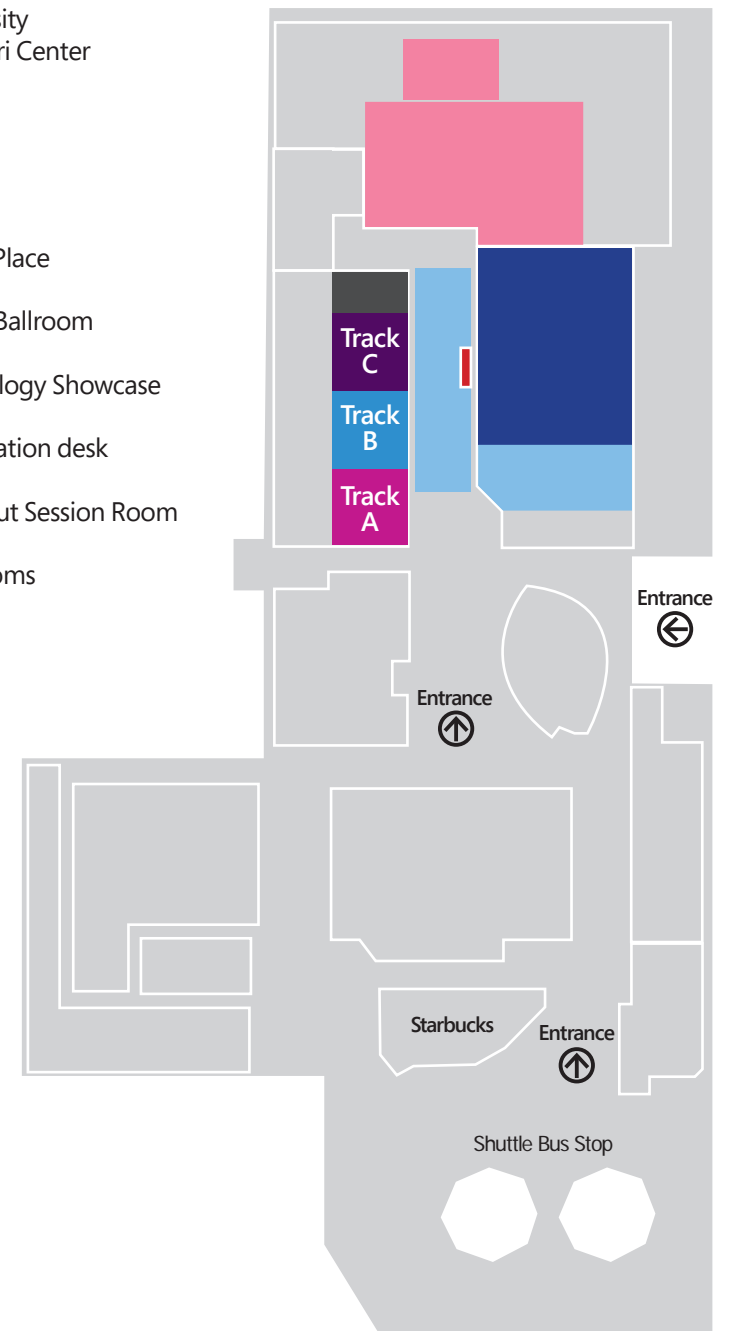
Time	Session	Speaker	Location
08:30 - 9:50	Track A-5 Machine Learning: Generative vs. Discriminative	Chair: Tie-Yan Liu , Microsoft Research Speakers: Seungjin Choi , POSTECH Alice Oh , KAIST Jun Zhu , Tsinghua University	Track A
	Track B-5 3D Real World Capturing and Reconstruction	Chair: Richard Cai , Microsoft Research Speakers: Min H. Kim , KAIST Yebin Liu , Tsinghua University Yasuyuki Matsushita , Osaka University	Track B
	Track C-5 Urban Big Data and Urban Computing	Chair: Yu Zheng , Microsoft Research Speakers: Minyi Guo , Shanghai Jiao Tong University Hideyuki Tokuda , Keio University Vincent S. Tseng , National Chiao Tung University	Track C
09:50 - 11:10	Track A-6 Robotics	Chair: Katsu Ikeuchi , Microsoft Research Speakers: Masayuki Inaba , The University of Tokyo Hiroshi Ishiguro , Osaka University Jin Bae Park , Yonsei University	Track A
	Track B-6 Computer Vision	Chair: Gang Hua , Microsoft Research Speakers: Xilin Chen , Chinese Academy Sciences Sudipta Sinha , Microsoft Research Xiaogang Wang , The Chinese University of Hong Kong	Track B
	Track C-6 AI and Psychology	Chair: Xing Xie , Microsoft Research Speakers: Hao Chen , Nankai University De-Nian Yang , Academia Sinica Tingshao Zhu , Chinese Academy of Sciences	Track C
11:10 - 11:30	Break		
11:30 - 12:30	Artificial Intelligence Research at Microsoft Research Asia	Speaker: Wei-Ying Ma , Microsoft Research	
12:30 - 14:00	Lunch & Networking		

Map

Yonsei University
Baekyangnoori Center

Floor B1

-  Lunch Place
-  Grand Ballroom
-  Technology Showcase
-  Registration desk
-  Breakout Session Room
-  Restrooms



Technology Showcase

1. Chatting robot with behavior learning
2. Hierarchical 3D Landmark Detection Based on Heterogeneously-Coupled Feature Extraction
3. Exploring User Experiences of Active Workstations
4. Development of autonomous drone control technique for teleoperation
5. Human Activity Recognition Using Smart Shoes and Smart Bands
6. Development of Real-Time Brain Signal Processing Algorithms based on Deep Learning for BCI-Racing
7. Comprehensible Video Search by Example
8. Video to Language - Describing videos with natural language
9. Microsoft Conversation Hub
10. Smart Attention
11. Mixed reality rendering for HoloLens
12. Self-teaching Machine: AI that Teach Itself through a Dual-learning Game
13. CNTK + DMTK -Distributed Deep Learning Framework from Microsoft
14. QnA Miner
15. Microsoft Academic Service
16. Ideal Couple: Predicting User Personality from Heterogeneous Information
17. Project Malmö – A platform for fundamental AI research
18. Processing and Optimizing Main Memory Spatial-Keyword Queries
19. Secure Automatic Unlock with a Trusted Device in Mobile System
20. Weakly Supervised Video Highlight Detection with Triplet Deep Ranking
21. Tree-guided MCMC Inference for Normalized Random Measure Mixture Models
22. IReS: Integrated resource scheduling for intelligent clouds
23. A Novel Load Balancing Scheme for Multi-cloud using Data Relocation based on Multiple factors
24. Correspondence Discovery between Image Regions and Phrases in Noisy Free-form Text
25. Identification of cancer-driver genes in focal genomic alterations from whole genome sequencing data

26. Student Characterization Based on Semantic Trajectory Analysis
27. ConceptVector: Building User-Driven Concepts via Word Embedding
28. Structured Output Prediction using Convolutional Neural Network for Human Pose Estimation
29. Real time logo detection using shape, color and text information
30. Imputing Uninteresting Items based on Pre-use Preferences for Effective Collaborative Filtering
31. Unified Depth Prediction and Intrinsic Image Decomposition from a Single Image via Joint Convolutional Neural Fields
32. TapSnoop: I Can Hear Your Touch-screen Taps - Leveraging Tap Sound to Infer Tapstrokes on Mobile Touch-screen Devices
33. Automatic Modeling and Verification of Software Vulnerabilities
34. Paradigm Shift on Authentication : Uncertainty, Personalization

