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### Friday, November 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
</table>
| 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 | |
| 11:10 - 12:30 | Track Session 2 | |
| 12:30 - 14:00 | Lunch + Research Showcase | |
| 14:00 - 15:20 | Track Session 3 | |
| 15:20 - 16:40 | Track Session 4 | |
| 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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</table>
| 09:50 - 11:10 | Track A-1 | Chair: Evelyne Viegas, Microsoft Research  
Speakers: Nicole Beckage, The University of Kansas  
Katsu Ikeuchi, Microsoft Research  
Change D. Yoo, KAIST |
| 11:10 - 12:30 | Track A-2 | 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 | 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 | 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tr>
<td>09:50 - 11:10</td>
<td>Track B-1 How to Make Spoken Dialogue based Intelligent Agent Pervasive?</td>
<td>Chair: Qiang Hu. Microsoft Research&lt;br&gt;Speakers: Jingdong Chen, Northwestern Polytechnical University&lt;br&gt;Tatsuya Kawahara, Kyoto University&lt;br&gt;Kai Yu, Shanghai Jiao Tong University</td>
</tr>
<tr>
<td>11:10 - 12:30</td>
<td>Track B-2 Video Analysis and Understanding</td>
<td>Chair: Wenjun Zeng. Microsoft Research&lt;br&gt;Speakers: Gunhee Kim, Seoul National University&lt;br&gt;Shin’ichi Satoh, National Institute of Informatics, Japan&lt;br&gt;Junsong Yuan, Nanyang Technological University</td>
</tr>
<tr>
<td>14:00 - 15:20</td>
<td>Track B-3 Social Multimedia and Visual Q&amp;A</td>
<td>Chair: Jingdong Wang. Microsoft Research&lt;br&gt;Speakers: Peng Cui, Tsinghua University&lt;br&gt;Toshi Yamasaki, The University of Tokyo&lt;br&gt;Lexing Xie, The Australian National University</td>
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### Track C

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<th>Time</th>
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<tr>
<td>09:50 - 11:10</td>
<td>Track C-1 Conversation As A Platform (CAAP)</td>
<td>Chair: Ming Zhou. Microsoft Research&lt;br&gt;Speakers: Tim Baldwin, The University of Melbourne&lt;br&gt;Jun Zhao, Chinese Academy of Sciences</td>
</tr>
<tr>
<td>11:10 - 12:30</td>
<td>Track C-2 Machine Translation</td>
<td>Chair: Mu Li. Microsoft Research&lt;br&gt;Speakers: Boxing Chen, National Research Council Canada&lt;br&gt;Satoshi Nakamura, Nara Institute of Science and Technology&lt;br&gt;Jiajun Zhang, Chinese Academy of Sciences</td>
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<tr>
<td>14:00 - 15:20</td>
<td>Track C-3 Knowledge Mining</td>
<td>Chair: Jun Yan. Microsoft Research&lt;br&gt;Speakers: Huajun Chen, Zhejiang University&lt;br&gt;Seung-won Hwang, Yonsei University&lt;br&gt;Juanzi Li, Tsinghua University</td>
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<tr>
<td>15:20 - 16:40</td>
<td>Track C-4 Big Scholarly Data Research, Utilities, and Impact Assessments</td>
<td>Chair: Kuansan Wang. Microsoft Research&lt;br&gt;Speakers: Xueqi Cheng, Chinese Academy of Sciences&lt;br&gt;Seung-won Hwang, Yonsei University&lt;br&gt;Irwin King, Chinese University of Hong Kong&lt;br&gt;Sung-Hyon Myaeng, KAIST&lt;br&gt;Min Song, Yonsei University&lt;br&gt;Chengxiang Zhai, University of Illinois at Urbana-Champaign</td>
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## Saturday, November 5

### 08:30 - 09:50

**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 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 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

### 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 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 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

### 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
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 Malmo – 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
## Shuttle Schedule (Four Seasons Hotel ↔ Yonsei University)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>From</th>
<th>To</th>
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<td>Nov 4(Fri)</td>
<td>07:30</td>
<td>Four Seasons Hotel</td>
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<td>18:00</td>
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<td>21:00</td>
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</tr>
<tr>
<td>Nov 5(Sat)</td>
<td>07:30</td>
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<td>Yonsei University</td>
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## Airport Pick-up Shuttle Schedule (Airport → Four Seasons Hotel)

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<th>To</th>
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<td>12:50</td>
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## Airport Send-off Shuttle Schedule (Yonsei University → Airport)

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<th>Time</th>
<th>From</th>
<th>To</th>
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</thead>
<tbody>
<tr>
<td>Nov 5(Sat)</td>
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<td>Yonsei University</td>
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<tr>
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<td>12:00</td>
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<td>14:30</td>
<td>Yonsei University</td>
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<tr>
<td></td>
<td>16:30</td>
<td>Yonsei University</td>
<td>Incheon Airport</td>
</tr>
</tbody>
</table>

**Contact Person**

Name: Seol - Ah Yook / Mobile: +82. (0)10. 2973. 0507