

PACS-2015

The First International Symposium on Perception, Action, and Cognitive Systems

October 29-31, 2015 (Thu-Sat), Seoul National University, Seoul, Korea

<http://www.kiise.or.kr/pacs/2015>

AIMS AND SCOPE

The International Symposium on Perception, Action, and Cognitive Systems (PACS) is a premier venue for the science and engineering of embodied cognitive systems that sense, act, reason, and learn in real-world environments. The fundamental significance of embodied cognitive systems has long been recognized in science, but its industrial importance realized only recently by new technologies, such as the Internet of things, mixed reality, wearable devices, mobile robots, and autonomous cars. The goal of PACS is to bring international researchers from academia and industry together to present recent progresses and discuss new frontiers in interdisciplinary research and convergence technologies for embodied cognitive systems. The topics of PACS cover the integrative research in the following areas:

Action science
Artificial intelligence
Brain-like systems
Cognitive architectures
Cognitive science
Cyber-physical systems






Embodied cognition
Emotion machines
Human-level AI
Human-computer interaction
Internet of things
Machine cognition

Mixed reality
Perceptual computing
Robotics
Self-driving cars
Wearable computers

PROGRAM

Time	Program
Day 1: Thursday, October 29	
13:00 - 13:30	Registration
13:30 - 14:00	Welcome and Introduction
14:00 - 15:30	Interactive Cognitive Systems Pat Langley Institute for the Study of Learning and Expertise (ISLE) Palo Alto, CA & Univ. of Auckland
15:30 - 16:00	Coffee Break



16:00 - 17:30	<p>Human-Level General Intelligence</p> <p>Ben Goertzel OpenCog, Novamente LLC, and Biomind LLC Rockville, MD</p>	
17:30 - 20:00	Reception & Poster Session	
Day 2: Friday, October 30		
09:00 - 11:00	<p>Cognition Embedded in the Social World</p> <p>Daniel Richardson University College London London, UK</p>	
11:00 - 12:30	<p>Cloud-Based Autonomous Intelligent Robots</p> <p>Michael Beetz Institute for Artificial Intelligence (IAI) Univ. of Bremen, Germany</p>	
12:30 - 14:00	Lunch & Poster Session	
14:00 - 15:30	<p>Human-Machine Interaction</p> <p>Andrew Olney FEDEX Institute of Intelligent Systems (IIS) Univ. of Memphis, Memphis, TN</p>	
15:30 - 16:00	Coffee Break	
16:00 - 17:30	<p>Embodied Conversational Agents</p> <p>Ipke Wachsmuth Cognitive Interaction Technology Excellence Center (CITEC), Bielefeld, Germany</p>	
17:30 - 20:00	Workshops (dinner is provided by each workshop)	
Day 3: Saturday, October 31: New Frontiers of Cognitive Systems		
09:30 - 09:55	Pat Langley (ISLE, Palo Alto)	
09:55 - 10:20	Ben Goertzel (OpenCog, Rockville)	
10:20 - 10:45	Daniel Richardson (UCL, London)	
10:45 - 11:15	Coffee Break	

11:15 - 11:40	Michael Beetz (IAI, Bremen)
11:40 - 12:05	Andrew Olney (FEDEX IIS, Memphis)
12:05 - 12:30	Ipke Wachsmuth (CITEC, Bielefeld)
12:30	Farewell

COMMITTEES

Advisory Committee

- o Andy Clark (Oxford)
- o Eric Horvitz (Microsoft)
- o Jin-Hyung Kim (SPRI)
- o Tomaso Poggio (MIT)
- o Wolfgang Wahlster (DFKI)
- o Ipke Wachsmuth (CITEC)

General Co-Chairs

- o Jee-In Kim (KIISE)
- o Michael Beetz (Univ. of Bremen)

Program Co-Chairs

- o Michael Spivey (UC Merced)
- o Byoung-Tak Zhang (SNU)

Organizing Co-Chairs

- o Hyo-Chan Bang (ETRI)
- o Mi-Young Cha (KAIST)
- o Weeduck Cho (Ajou Univ.)
- o Young-Jo Cho (ETRI)
- o Jae-Shik Choi (UNIST)
- o Seungjin Choi (POSTECH)
- o Henrik Christensen (Georgia Tech)
- o Xiangen Hu (Univ. of Memphis)
- o Jaeseung Jung (KAIST)
- o Dong-Ho Kim (Soongsil Univ.)
- o Gunhee Kim (SNU)
- o Jaehoon Kim (KMOU)
- o Hyoung-Seok Kim (Konkuk Univ.)

- o Young-Kook Kim (CNU)
- o Stefan Kopp (Univ. of Bielefeld)
- o Min-Ho Lee (KNU)
- o Myoung-Ho Lee (Myungji Univ.)
- o Jay Myung (OSU)
- o Jin-Wook Seo (SNU)
- o Daniel Polani (Univ. of Hertfordshire)

Poster Session Co-Chairs

- o Jung-Hyun Han (Korea Univ.)
- o Kyu-Baek Hwang (Soongsil Univ.)

Publication Chairs

- o Kyoung-Joong Kim (Sejong Univ.)

Publicity Co-Chairs

- o Dennis Hong (UCLA)
- o Seong-Whan Lee (Korea Univ.)
- o Andrea Thomaz (Georgia Tech)
- o Woon-Taek Woo (KAIST)

Finance Chair

- o Sang-Guk Lee (Katholic Univ.)

Local Arrangement Chair

- o Joong-Sik Lee (SNU)

Web Chair

- o Yung-Kyun Noh

REGISTRATION

Early Registration Deadline: October 10, 2015

Registration Deadline: October 15, 2015

► Registration Fee

	Early Registration (by Oct. 10, 2015)	After the Early Registration
Student	KRW 250,000	KRW 300,000
General	KRW 500,000	KRW 600,000

► On-line Registration

<http://www.kiise.or.kr/pacs/2015/>

► Contact

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VENUE

The symposium will be held at the Asia Center (see the map below) of Seoul National University (SNU; address: 1 Gwanak-ro, Gwanak-gu, Seoul 151-742, Korea; Google Maps). The SNU is in the outskirts of Seoul, the capital city of South Korea, and is located 6 miles south of the downtown Seoul and easily reach able by subway and bus.

