SEMINAR

Think like an Amateur, Do as an Expert:
Fun Research in Computer Vision and Robotics

TIME: 19:00-21:00, August 12 (Mon.), 2019
VENUE: Lecture Hall, Research Building 1
ORGANIZER: RoboMaster of DJI & SDIM of SUSTech
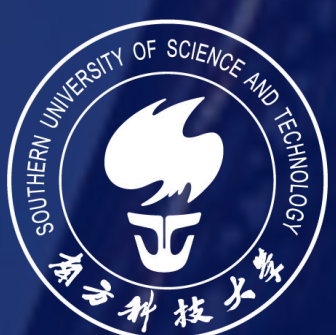
SPEAKER: Prof. Takeo Kanade

Takeo Kanade is the U. A. and Helen Whitaker University Professor of Computer Science and Robotics at Carnegie Mellon. He received his Doctoral degree in Electrical Engineering from Kyoto University, Japan, in 1974. After holding a faculty position in Kyoto University, he joined Carnegie Mellon University in 1980. He was the Director of the Robotics Institute from 1992 to 2001 as well as the founding director of the Quality of Life Technology Center from 2006 to 2012. Dr. Kanade works in multiple areas of robotics: computer vision, multi-media, manipulators, autonomous mobile robots, medical robotics, and sensors. He has written more than 400 technical papers and reports in these areas; they have more than 100,000 citations and his h-index has been within top five in Computer Science. Dr. Kanade has been elected to the National Academy of Engineering and the American Academy of Arts and Sciences. Awards he received include the Kyoto Prize, IEEE Founders Medal, Franklin Institute Bower Prize, ACM/AAAI Newell Award, Joseph Engelberger Award, IEEE Robotics and Automation Society Pioneer Award, and IEEE PAMI Azriel Rosenfeld Lifetime Accomplishment Award.

ABSTRACT

In this talk, I would like to touch upon highlights of various research and development in which I was involved in the area of computer vision and robotics. A few candidates for topics that I will cover include face and body image analysis, vision-based autonomous land and aerial vehicles, many-camera systems including EyeVision, biological live cell tracking, and smart headlight. While presenting their technical contents, I will try to sprinkle my anecdotal experiences, strategies, and philosophy in research including my research motto, "Think like an amateur, do as an expert", which I hope the audience finds interesting and useful in order for them to make their research and development fun and productive.

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