기업 초청 강연

2월 15일 16:20~17:10 (Convention Hall A, B)

김 덕 훈 수석

소 속　Qualcomm
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연사약력

• Senior Staff Engineer, Qualcomm Research Korea, 2011-Present
• Senior Engineer, Samsung Electronics, 2006-2011
• Ph.D. in Electrical Engineering and Computer Science, Seoul National University, 2005

강연제목

Shaping the future of robotics

강연초록

Drones and robots have captivated us for more than half a century. Drones and robots will be seamlessly integrated into our everyday life, as intelligent, intuitive machines that can handle tasks once considered too time-consuming or tedious. Qualcomm Research is driving innovation by enabling mobile robotics through a state-of-the-art computing platform to provide an integrated, low power solution for multiple robotics applications, and we are focusing on computer vision, machine learning, high fidelity sensing, real-time control and navigation technologies to enable smarter drones and robots. This talk will introduce how Qualcomm Research is bringing together essential technological innovations for drones and robots.

Su-Birm Park Dr.-ing

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연사약력

- 1992 University of Duisburg: Dipl.-Ing. Computer Science
- 1996 Fraunhofer Institute: Research Assistant
  - High dynamic range CMOS imager for interior monitoring
- 1997 BMW: Dr.-Ing. Electrical Engineering (Ph.D. Scholarship)
  - Vision based interior monitoring for security
  - Vision based occupant sensing for safety
  - Optical Interior Monitoring of Vehicles
  - Vision based driver Recognition and Monitoring
- 2003 Delphi Electronics & Safety
  - Development of vision systems for forward looking applications (LDW, AHC, FCW ..)
  - PReVENT ProFusion1&2: 10 partners, 3.2MEuro
  - InteractIVe Perception: 12 partners, 6.8MEuro
  - Active Safety Car: 6 partners, 3.5MEuro
- 2010 LG Electronics
  - ADAS Forward Looking Camera: Single and Stereo Camera
  - ADAS Business Division: Camera, Radar, Lidar, etc.

강연제목

From ADAS to Autonomous Driving

강연초록

The change of the automotive industry from driver assistance systems to autonomous driving. There is a fundamental disruption approaching the automotive industry, which has the potential to change many lifes. Autonomous driving will safe many lifes, but has the potential to change the transportation business as we know by today. The talk will give a general introduction and then focus on sensor systems, which are the most important technologies for autonomous driving.