



Prof. Chan Gook Park

Education

- B.S./ M.S./ Ph.D. Control & Instrumentation Engineering, Seoul National Univ., Korea

Experience

- 2003 ~ Present: Professor, School of Mechanical & Aerospace Engineering, Seoul National Univ.
- 2014 ~ Present: Director, Automation and Systems Research Institute, Seoul National Univ.
- 2014 ~ Present: Director, The Korean Society for Aeronautical & Space Sciences
- 2014: Co-chair, 2014 IFAC World Congress Estimation and filtering session
- 2009 ~ 2010: Visiting Scholar, School of Aerospace Eng., Georgia Tech
- 1998 ~ 1999: Visiting Scholar, Dept. of Mechanical & Aerospace Eng., UCLA

Research Interests

- Vision / LiDAR-aided Inertial Navigation System
- INS / GNSS / Vision / TRN Integrated Navigation System
- MEMS-based Personal Navigation System
- Multi-Sensor Fusion
- Advanced Filtering



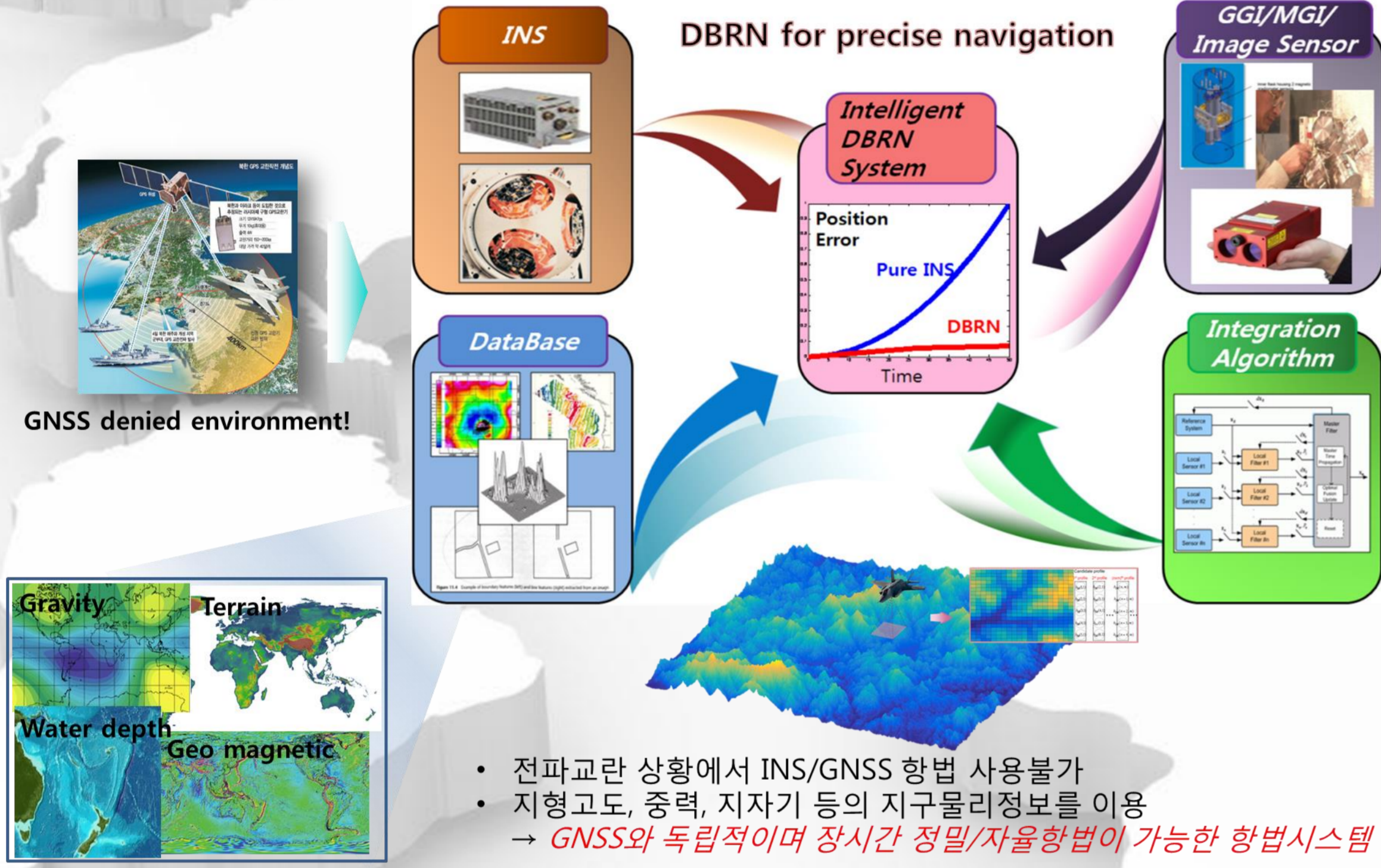
2019 NESL Summer MT

Integrated Navigation

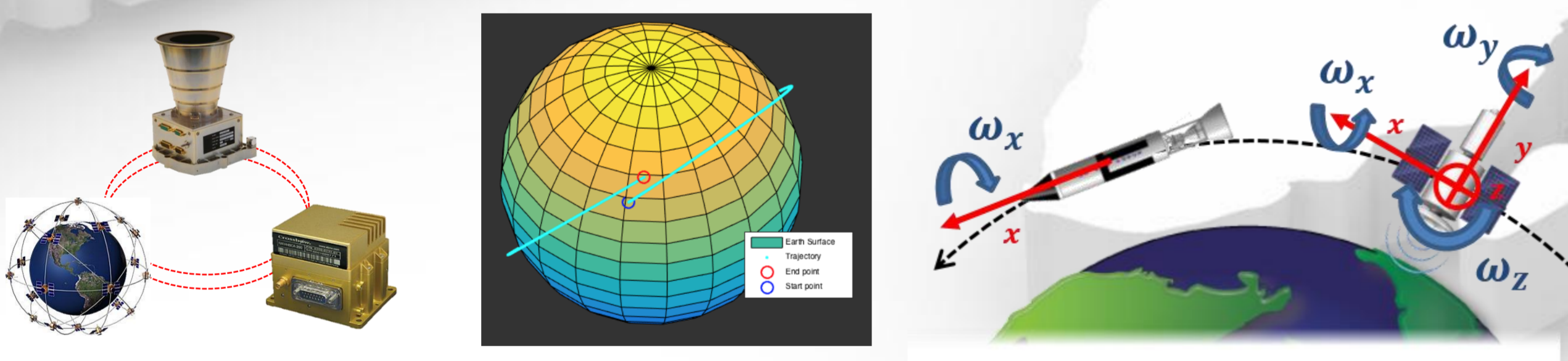
- Lunar Lander for high precision and reliability navigation system



- DataBase Referenced Navigation (DBRN)

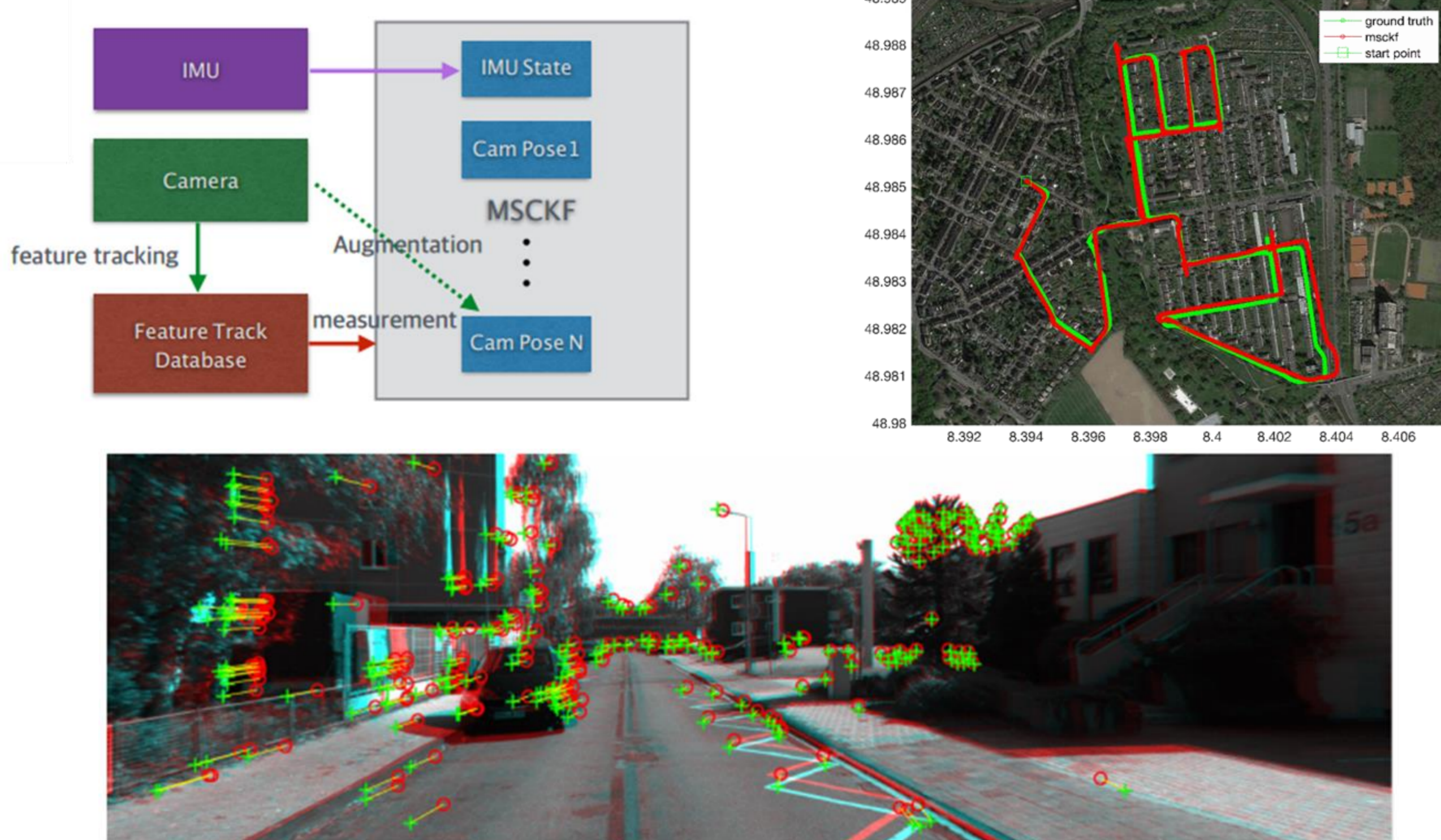


- Space navigation system with star tracker / GPS / INS integration

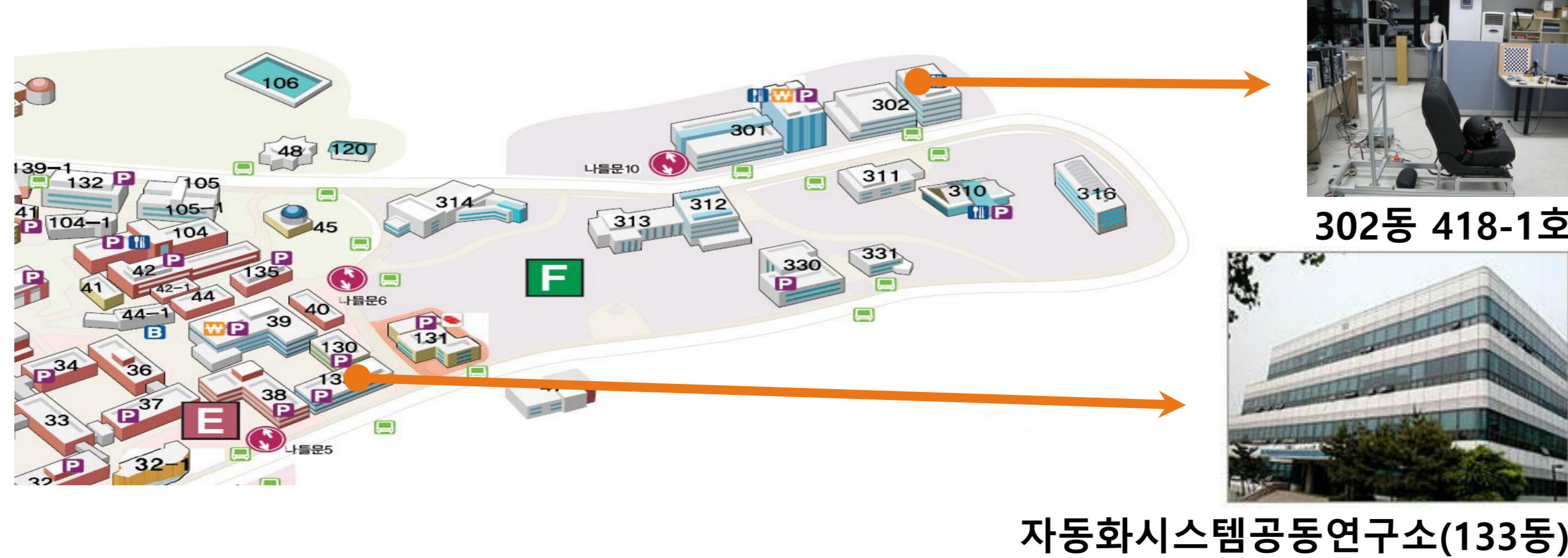


Vision-aided Navigation

- Visual inertial odometry using monocular camera

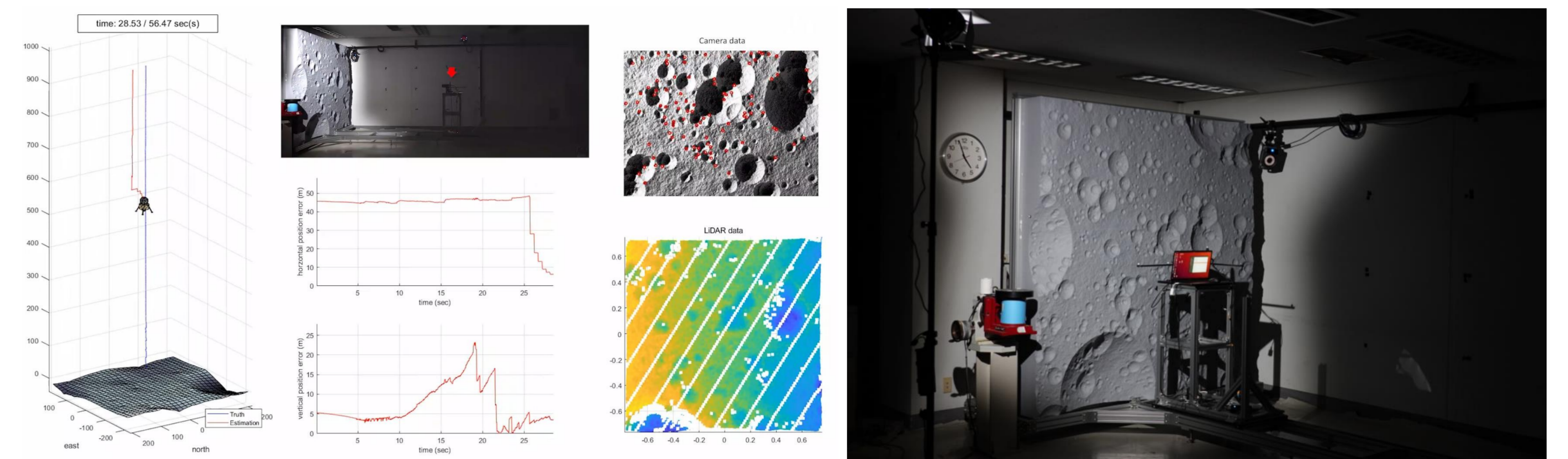


NESL Location

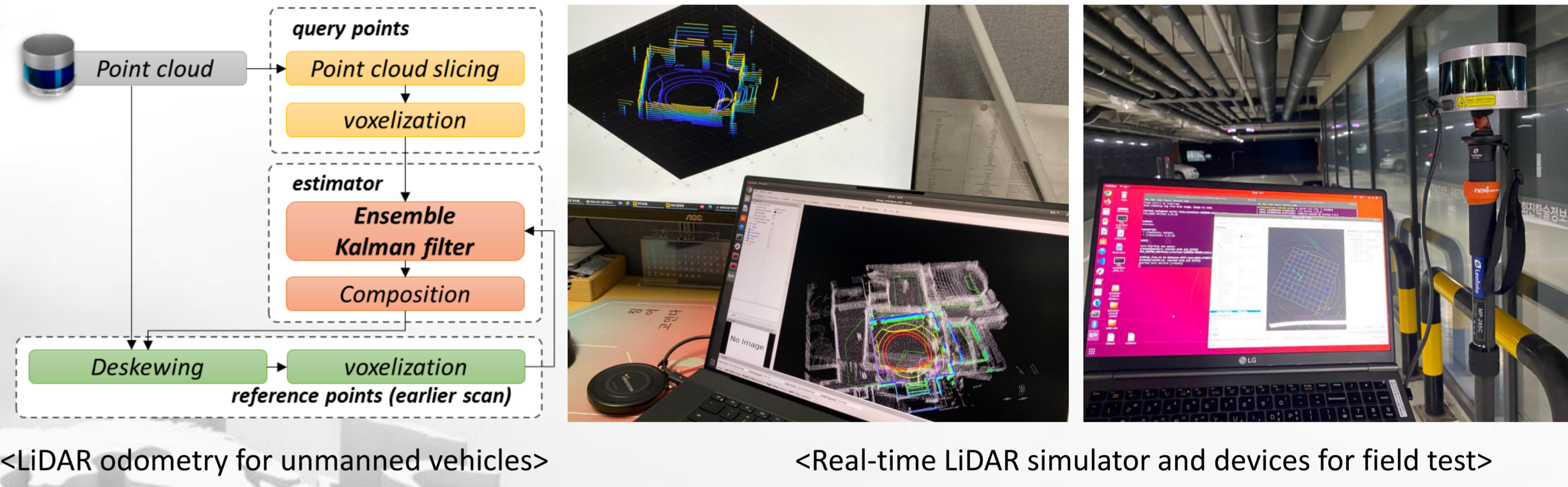


LiDAR-aided Navigation

- LiDAR SLAM for determining the absolute position of a lunar lander

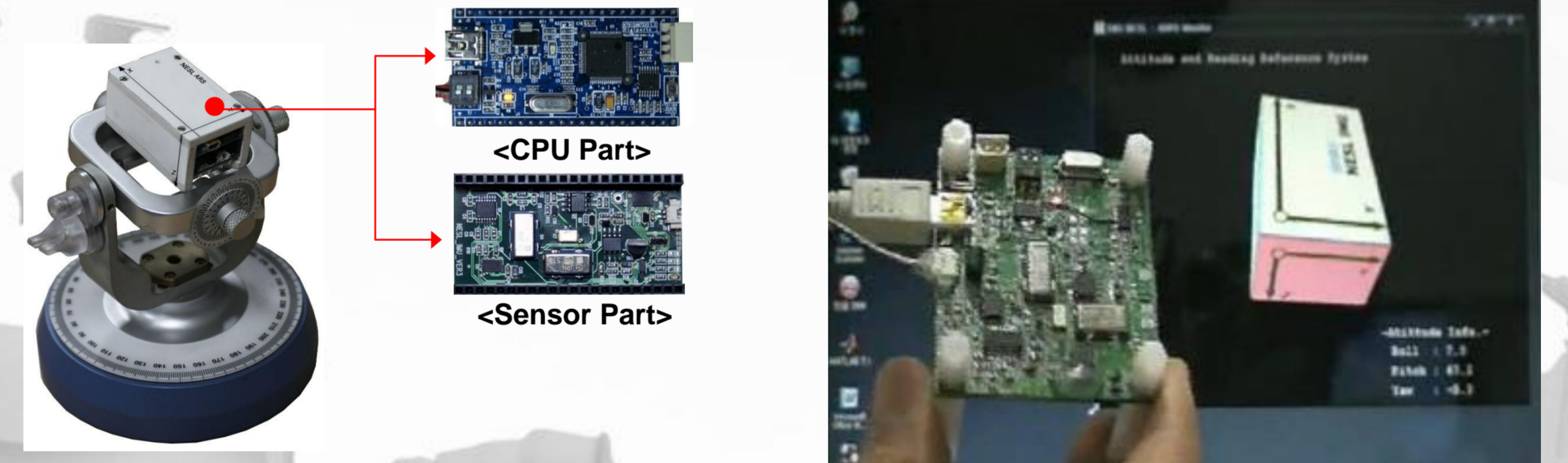


- LiDAR SLAM for unmanned vehicles

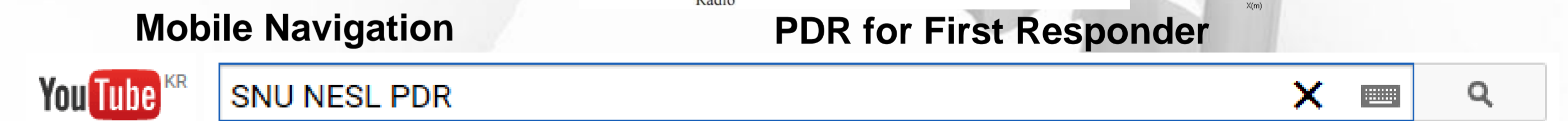
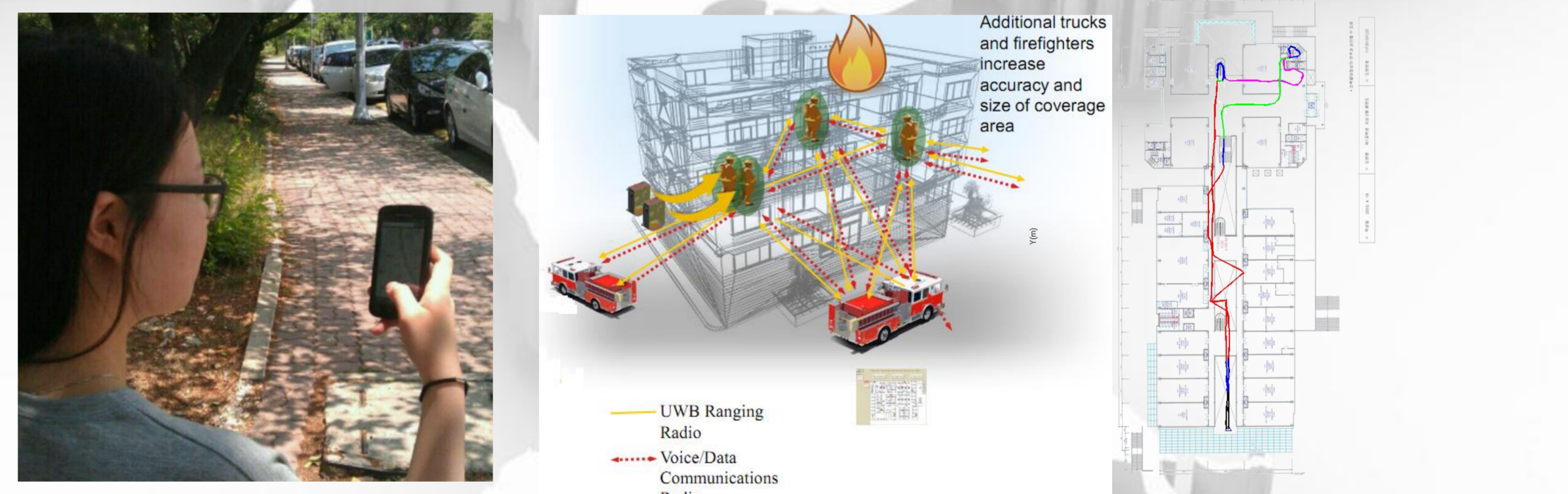


Pedestrian Dead Reckoning(PDR)

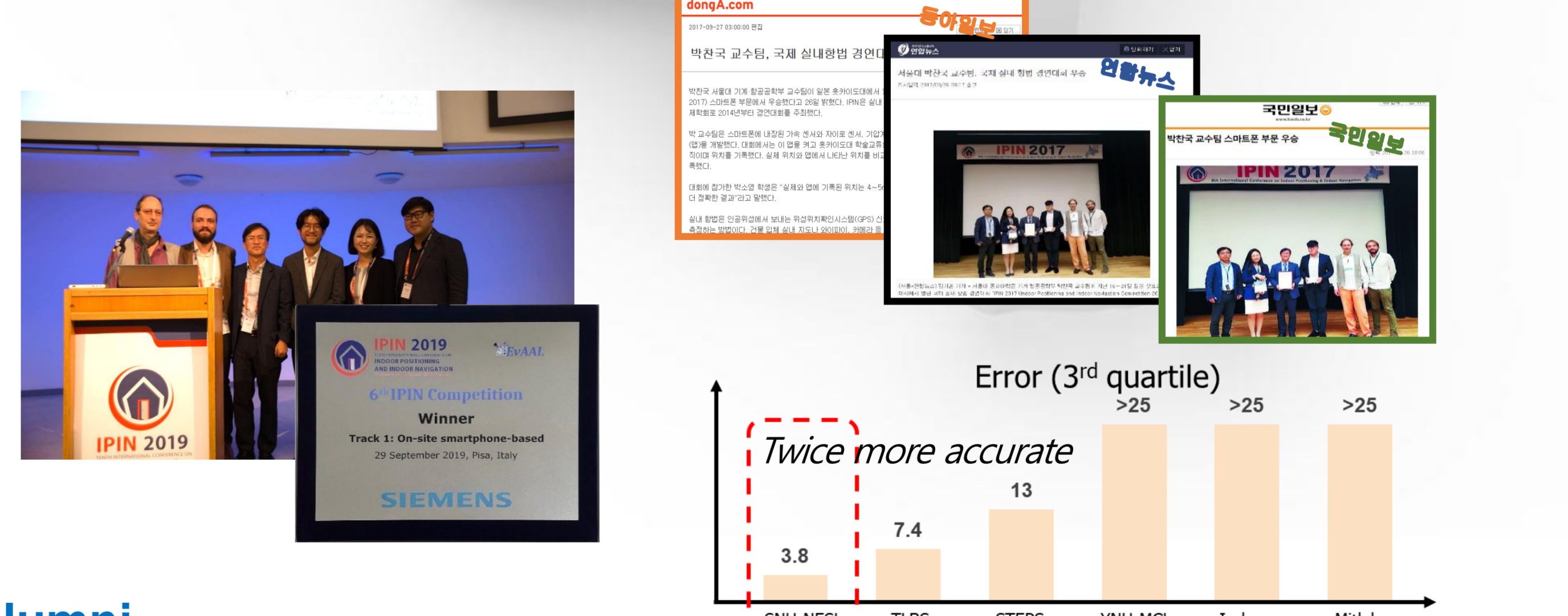
- AHRS(Attitude Heading Reference System) Module



- Pedestrian Navigation System



- Winner of the International Indoor Navigation Competitions for 5 consecutive years



Alumni

