France-Asia Research Collaboration Project

ICT-PAMM

胡振程 博士,准教授

Dr. Zhencheng Hu, A.Prof.

Visits

- Dr. Hu from KMU visited Prof. Lee in SKKU in Dec.2011

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- Dr. Hu visited LASMEA and INRIA Rhône-Alpes in Sept. 2012

- Dr. Thomas Feraud visited KMU from June 2012 to Nov. 2012 as post-Doc.

Visit France (Sept.26 – Oct.29, 2012)

- Visited **3** French partners during the trip
  - LASMEA, CNR Blaise Pascal University, Clermont-Ferrand
  - INRIA Rhône-Alpes, e-Motion team, Grenoble
  - INRIA-IMARA - Rocquencourt

Part of Publications (KMU)

- Wang C., <u>Hu, Z.</u>, Chapuis R., Predictive Lane Detection by Interaction with Digital Road Map, Transactions on the Information Processing Society of Japan, 53(1), 2012-01-15, 2012

- Dong Y., <u>Hu, Z.</u>, Xie M., A MODEL-BASED 3D FACE POSE AND ANIMATION TRACKER WITH AUTO-REGISTRATION USING A BINOCULAR EKF KERNEL, International Journal of Humanoid Robotics, Volume 09, Issue 02, pp.1250014-1~31, June 2012

- Dong, Y., Hu, Z., Uchimura, K., Murayama, N., Driver inattention monitoring system for intelligent vehicles: A review, (2011) IEEE Transactions on Intelligent Transportation Systems, 12 (2), pp. 596-614

- Dong, Y., Hu, Z., A fast human face modeler and tracker for Driver Inattention Monitoring, (2011) Proceedings - IEEE International Workshop on Robot and Human Interactive Communication, pp. 33-38.

- Dong, Y., Hu, Z., Zhou, Y., Uchimura, K., Murayama, N., A robust and efficient face tracker for driver inattention monitoring system, (2011) Proceedings of the World Congress on Intelligent Control and Automation (WCICA), pp. 1212-1217.

- Wang, C., Hu, Z., Uchimura, K., A novel lane detection approach fusion by vehicle localization, (2011) Proceedings of the World Congress on Intelligent Control and Automation (WCICA), art. no. 5970710, pp. 1218-122

Relative Projects

LABIX Project (Insititute of Pascal)

Sub-meter Accuracy Localization Technology with Visual SLAM

Auto-calibration of Stereo Camera

Omni-view based feature tracking for Visual SLAM

STAVi: A new mobility for elder people

SLAM based driving assistance

New sensing ability

HMI related research

sDAS: Surround View based Driving Assistance System