



1-2 February 2010
KORANET PARTNERING EVENT

Research for life-long health

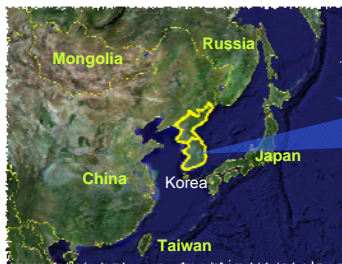
Doo Yong Lee
KAIST

Medical Simulation with Visual and
Haptic Fidelity to Train or Plan
Medical Procedures



KAIST, Daejeon

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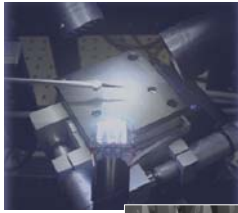




Dept. of Mechanical Engr., KAIST

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- 56 Tenure-track Faculty Members
- 200 B.S., 200 M.S., 300 Ph.D., Students



Robotics & Simulation Lab.

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- 2 Post-doctoral Researchers
- 6 Ph.D., 6 M.S., 1 B.S. Students
- 2 Staff

RSLab
Robotics and Simulation Laboratory





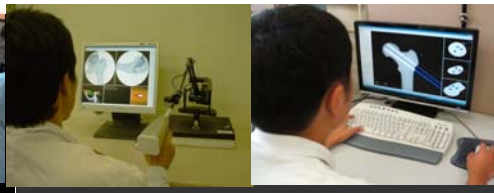
PROJECT IDEA

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- Development of high-fidelity simulation with both visual and haptic sensations to train or plan medical procedures



KAIST-Ewha Colonoscopy Simulation III & VI



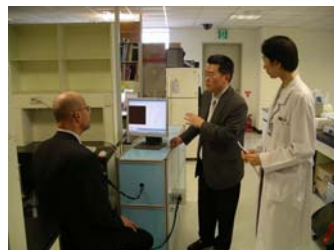
Hip Surgery Training & Planning Simulation



EXPERTISE

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- Haptic Interface Design & Control
- Physics-based Modeling of Human Organs and Tissues
- Robotics





PARTNER SOUGHT

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- Computer Graphics Rendering
- Computer Graphics Display
- Virtual Reality Simulation
- Haptic Interface



CONTACT DETAILS

partnering, partnering, partnering, partnering, partnering

- Prof. Doo Yong Lee
Department of Mechanical Engineering
KAIST
335 Gwahangno Yuseong-gu
Daejeon 305-701
Republic of Korea
leedy@kaist.ac.kr <http://rslab.kaist.ac.kr>

