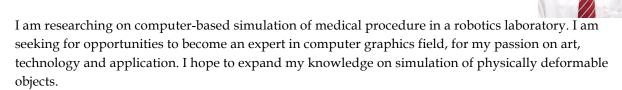
Nguyen Trung Tuan

Objective



Education

Master of engineering, Korea Advanced Institute of Science and Technology Feb. 2012 to now

Thesis Model of Cutting and Deformation by Electrical Instruments for ERCP (Endoscopic

Retrograde Cholangiopancreatography) Simulation

Supervisor Professor Doo Yong Lee

GPA 3.86 / 4.3

Bachelor of Engineering, Hanoi University of Science and Technology

2005 to 2010

GPA 8.47 / 10 (Gifted Engineer with Honors)

Conference presentations

Tuan Nguyen Trung, Myeongjin Kim, and Doo Yong Lee. (2013). A Hybrid Contact Model for Cannulation Simulation of ERCP, *Medical Meets Virtual Reality* 21(Submitted)

Tuan Nguyen Trung, Hoeryong Jung, Myeongjin Kim, and Doo Yong Lee. (2013). A Method for Generating Cut Surface in Surgery Simulation, *International Conference on Control, Automation and Systems*

Tuan Nguyen Trung and Doo Yong Lee. (2012). Construction of Centerline-based Models of Stomach and Duodenum from MAYA Virtual Models, *Annual Conference of Korea Society of Mechanical Engineering*.

Experiences

Robotics and Simulation Lab, Korea Advanced Institute of Science and Technology

Feb. 2012 to now

ERCP project: Research on simulator of ERCP medical procedure

Offshore developer, Sony Digital Network Application Inc.

2010 to Feb. 2012

Upload controller project: Application for uploading movies and photos to social networks.

Image data converter project: Application for managing and converting raw images.

360 viewer project: Rendering donut movies into 3D movies using OpenGL.

Skills

Knowledge: Simulation of deformable objects, contact and cutting.

Programming: C++, MFC, OpenGL, objective-C, X-code, Matlab, Maple, parallel computing.

Modeling: Autodesk MAYA, Auto CAD, Solid Work

Honors and Awards

Scholarship for excellent student, Hanoi University of Science and Technology, Vietnam	2010
Oto Jase Scholarship, Korea-Vietnam Foundation	2010
Oto Jase Scholarship, Korea-Vietnam Foundation	2009
Silver medal of <i>Fundamental Machine Design</i> , Student Olympic, Hanoi University of Science and Technology, Vietnam	2009
Consolation prize of Fundamental Machine Design, National Mechanical Olympic, Vietnam	2009
Consolation prize of Science of Material, National Mechanical Olympic, Vietnam	2008
Silver medal of Physics, National Contest of excellent high school students, Vietnam	2005
Scholarship for gifted students, Hanoi University of Science and Technology, Vietnam	2005-2010

References

Doo Yong Lee, Professor

Robotics and Simulation Lab - http://rslab.kaist.ac.kr

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Additional information

Nationality: Vietnamese Marital status: Single Date of birth: July 10, 1987 Gender: Male