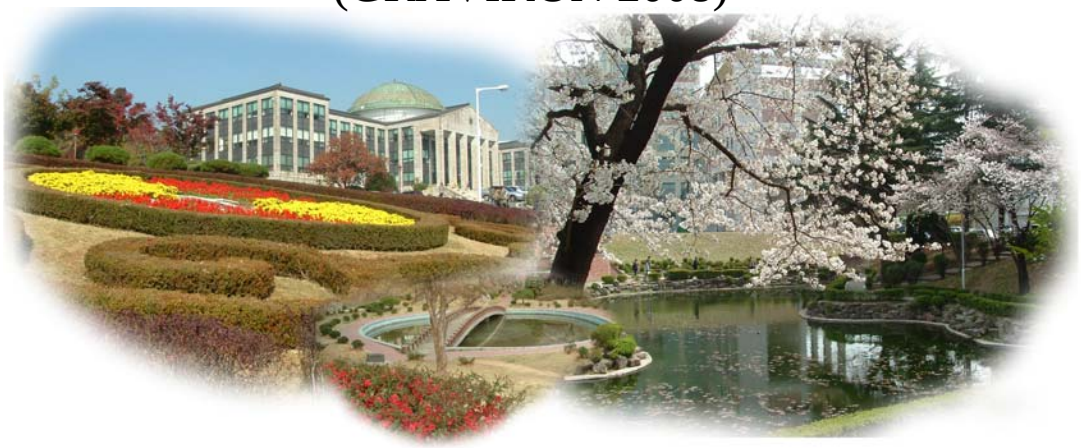
1st Korean-New Zealand Workshop on Advances in Computer Graphics, Computer Vision and Virtual Reality (GRAVIKON 2008)



Kyungpook National University (KNU)
Daegu, South Korea
24th April 2008

GRAVIKON 2008 is the first Korean-New Zealand Workshop on Advances in Computer Graphics, Computer Vision and Virtual Reality. The purpose of this workshop is to bring researchers from these fields together, to exchange ideas and find novel solutions, and to promote and support international collaborations.

All New Zealand and Korean researchers in Computer Graphics, Computer Vision and Virtual Reality and in applied fields are cordially invited to attend this workshop.

Venue: Kyungpook National University, Fine Art & Design Building (Building #31 in the attached map), Room 103
Date and time: 24th April 1008, 9am-3.10pm

For more information please contact the organizing committee chairs:
Prof. Burkhard Wünsche: burkhard@cs.auckland.ac.nz
Prof. Hyeyoung Park: hypark@knu.ac.kr

Co-organisers:
BK21 Information Technology Manpower Development Program
School of Electrical Engineering and Computer Science, KNU
Software Technology Research Centre, KNU
Department of Computer Science, University of Auckland
Software Engineering Research Group, University of Auckland

Program:

9.00am-9.10am: Welcome

9.10am-10.30am: Session 1 – Augmented and Virtual Reality Environments

Youngho Lee, Taejin Ha, Hyeongmook Lee, Woontack Woo (Gwangju Institute of Science and Technology, Gwangju, Korea) - "3D Models and Sounds Authoring Methods for Digilog Book with Pen-type Tangible UI in augmented reality environments"

Waleed Abdulla (University of Auckland, Auckland, New Zealand) – "The Distributed Embedded Intelligence Room Project"

Bruce MacDonald (University of Auckland, Auckland, New Zealand) – "Augmented Reality Interfaces for Robot Development"

Stefan Marks, John Windsor, Burkhard Wünsche (University of Auckland, Auckland, New Zealand) – "Game Engine-Based Virtual Surgery Simulation"

10.30am-11.00am: Morning Break and Poster Session

Sungmoon Jeong, Minho Lee (Kyungpook National University, Daegu, Korea) – "Autonomous vehicle detector using spatial-temporal brightness changes based on a saliency map for a blind sport"

Qing Zhang, Minho Lee (Kyungpook National University, Daegu, Korea) - "Emotional Scene Understanding Using GIST"

Seokjun Lee, Soon Ki Jung (Kyungpook National University, Daegu, Korea) – "Planar-Object Position Estimation by using Scale & Affine Invariant Features"

Seonho Oh, Jaeseok Jang, Kyungho Jang, Soon Ki Jung (Kyungpook National University, Daegu, Korea) – "Building Modeling System on Satellite Image using Footprint and Shadow"

Min Woo Park, Kyoung Ho Jang, Soon Ki Jung (Kyungpook National University, Daegu, Korea) – "Image Registration of Side and Rear Views for Panoramic Vision System"

Seung Dae Jeong, Yoon Suk Kwak, Soon Ki Jung (Kyungpook National University, Daegu, Korea) – "Design and Implementation of Presentation Support System based on Mobile Networks"

Jae Seok Jang, Kwang Hee Won, Kyoung Ho Jang, Soon Ki Jung (Kyungpook National University, Daegu, Korea) – "Shadow Analysis of Satellite Images for 3D Building Reconstruction"

11.00am-12.00noon: Session 2 – Computer Graphics and Simulations

Kang Young-Min (Tongmyong University, Busan, Korea) - “Interactive Paper Animation with Breakable Hinge Springs”

Namkyung Lee, Nakhoon Baek, Kwan Woo Ryu (Kyungpook National University, Daegu, Korea) – “An OceanWave Simulation Method Using TMA Model”

Dongsung Ryu and Hwan-Gue Cho (Pusan National University, Busan, Korea) - “A unified communication framework using geometry topology of virtual world space”

12.00noon-1.30pm: Lunch Break and Discussions (for invited participants)

1.30pm-3.10pm: Session 3 – Computer Vision and Image Processing

Sang Ok Koo, Chang Geol Yoon, Soon Ki Jung (Kyungpook National University, Daegu, Korea) – “Visual Analysis System for Pipeline Inspection Data”

Minho Lee (Kyungpook National University, Daegu, Korea) – “Biologically inspired visual attention, object perception and knowledge representation”

Woong-Jae Won (Daegu Gyeongbuk Institute of Science and Technology) - “Toward Biologically Inspired In/Out Vehicle Monitoring Model for Interactive Safety Driving Agent System”

Minkook Cho and Hyeyoung Park (Kyungpook National University, Daegu, Korea) – “A Subspace Method Based on a Data Generation Model with Class Information”

Chuljin Jang and Hwan-Gue Cho (Pusan National University, Busan, Korea) - "Management Method for concurrent digital photos using EXIF metadata"

Travel Instructions:

The most convenient way to reach Daegu from the major centers is by KTX (Korean Train Express). It takes 1h45min from Seoul and 1h05min from Busan.

From the railway stations (DongDaegu Station for KTX, Daegu Station for local trains) it's about 15min by taxi to Kyungpook National University.
Please instruct the taxi driver to go to the North gate (Buk Moon). From there it's about 5 min walk to the venue (see map). Alternatively you can ask the taxi driver to go there directly. [The taxi should cost about 2000-3000 Won=2-3 US$]

Information for Non-Korean speakers:
Please tell the driver (or show this printout):

경북대학교-북문-가주세요

(Pronounced: KyungPookDaeHakYo - BukMun - GaChuSeYo)
(Translated: Kyungpoon National University - North Gate – go please)