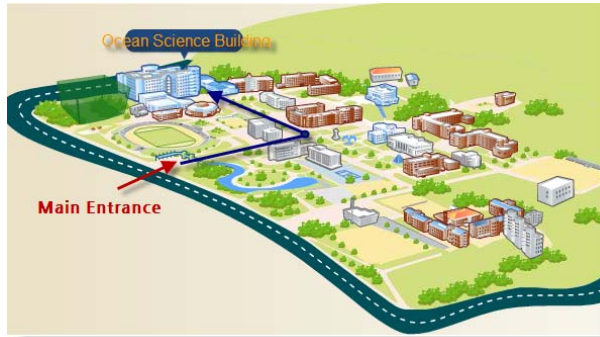


## Location

### A. KNU Campus



### B. Ocean Science Building



## Schedule

### Program, 26 February 2009

16:30-18:00	Registration
18:00-20:30	Welcoming dinner and research exchanges

### Program, 27 February 2009

09:00-09:30	Registration
09:30-10:00	Opening ceremony
10:00-12:00	First session presentation (Dr. Chou, Dr. Zhang, Dr. Chen, Dr. Dai)
12:00-14:00	Lunch
14:00-15:30	Second session presentation (Dr. Chai, Dr. Limkatanyu, Dr. Zhao)
15:30-16:00	Afternoon tea break
16:00-18:00	Third session presentation (Dr. Kobayashi, Dr. Kwon, Dr. Kim, Dr. Do and Dr. Koay)
18:00-21:00	Gala dinner and closing ceremony

### Program, 28 February 2009

Post symposium local tour

### 1<sup>st</sup> Asia Pacific Young Researchers and Graduates Symposium

The aim of 1<sup>st</sup> Asia Pacific Young Researchers and Graduate Symposium is created a platform for young researchers and graduates to establish a collaboration research network between Asia Pacific and discuss of topics important to developing new knowledge in structural engineering and construction.

### Topics of Symposium

#### General Topics

Topics include, but not limited to – all branches of structural, building, and concrete engineering; construction engineering and architecture; materials technology. However, all papers must relate to the civil, architectural and construction discipline.

#### Special Topics

These include but not limited to – structural analysis, nonlinear behaviour of structures, reinforced concrete structures, steel structures, bridges, precast systems, earthquake engineering, geotechnical engineering, tunnel and underground structures, damage assessment; reliability analysis; design uncertainties and stochastic variability, optimal design; smart structures.

### Organizing Committees

Kangjoo Kim  
Director, BK21 Advanced Geo-Environment Research Team  
Professor, Ground Water and Pollution Laboratory  
kangjoo@kunsan.ac.kr

Dookie Kim  
Member, BK21 Advanced Geo-Environment Research Team  
Professor, Structural System Laboratory  
kim2kie@chol.com

Jeongyun Do  
Research Professor, Structural System Laboratory  
arkido@gmail.com

Yew-Chin Koay  
Research Professor, Structural System Laboratory  
yewchin.k@gmail.com

## 1<sup>st</sup> Asia Pacific Young Researchers and Graduates Symposium (YRGS)

*Recent Advances in Structural Engineering and Construction*

Date: 26-28 February 2009

Venue: Ocean Science Building,  
Kunsan National University, Republic of Korea



Hosted, Organized and Sponsored by



of



<http://php.chol.com/~kim2kie/yrgs2009.php>

# Presenters



## Dr. Chung-Che Chou

**Nationality:** Taiwan  
**Residency:** Taiwan  
**Home institution:** National Taiwan University  
**Research Interests:** Earthquake-resistant design, dynamic analysis of bridges and buildings, post-tensioned steel structural system, precast concrete segmental bridge columns, rehabilitation of steel building structures and earthquake demand assessment using attenuation relationship, etc  
**Presentation Title:** Rehabilitation of welded steel moment connections prior to 1996



## Dr. Hwa Kian Chai

**Nationality:** Malaysia  
**Residency:** Japan  
**Home institution:** Tobishima Corporation Research Institute of Technology  
**Research Interests:** Nondestructive instrumentation and testing as well as repair and strengthening of deteriorated concrete structures  
**Presentation Title:** Assessing surface opening concrete cracks by stress waves - Tomographic imaging for approximate investigation and Rayleigh waves for sizing



## Dr. Dookie Kim

**Nationality:** Korea  
**Residency:** Korea  
**Home institution:** Kunsan National University  
**Research Interests:** (I) structural dynamics based researches such as vibration protection/control, seismic design, system identification, and dynamic interaction. (II) soft computation such as (probabilistic) neural network, support vector machine, and other artificial intelligence algorithms and (III) probability engineering.  
**Presentation Title:** Modal Parameter Identification of Cabinets of Nuclear Power Plant



## Dr. Chunwei Zhang

**Nationality:** China  
**Residency:** China  
**Home institution:** Harbin Institute of Technology  
**Research Interests:** Structural vibration control, blast resistance, protective engineering, and ocean engineering  
**Presentation Title:** Recent advances on structural vibration control and blast resistance research in HITBRPE laboratory



## Dr. Suchart Limkatanyu

**Nationality:** Thai  
**Residency:** Thailand  
**Home institution:** Prince of Songkla University  
**Research Interests:** Analysis and design of reinforced concrete structures subjected to earthquake loads, soil structure interaction and retrofitting techniques using FRP materials  
**Presentation Title:** Nonlinear frame model with tangential and normal interfaces: formulations and applications



## Dr. Jeongyun Do

**Nationality:** Korea  
**Residency:** Korea  
**Home institution:** Kunsan National University  
**Research Interests:** Durability of concrete structures, concrete structures repairs, concrete technology, Reliability/LCC analysis, etc  
**Presentation Title:** Required quantitative performance configurations and optimal Selection of patching repair materials



## Dr. Jianbing Chen

**Nationality:** China  
**Residency:** China  
**Home institution:** Tonji University  
**Research Interests:** Stochastic structural analysis and structural reliability theory.  
**Presentation Title:** Stochastic response analysis of earthquake-excited nonlinear structures



## Dr. Yuxi Zhao

**Nationality:** China  
**Residency:** China  
**Home institution:** Zhejiang University  
**Research Interests:** Durability of concrete structures, life cycle management of coastal concrete structures, etc  
**Presentation Title:** Study on concrete cracking due to reinforcement corrosion



## Dr. Yew-Chin Koay

**Nationality:** Malaysia  
**Residency:** Korea and Australia  
**Home institution:** Kunsan National University, Victoria State Government  
**Research Interests:** Concrete pavements and joints, concrete science and technology, civil, infrastructural and structural design, etc  
**Presentation Title:** A current innovative solution to eliminate the past trip hazards on pedestrian concrete pavement



## Dr. Jian-Guo Dai

**Nationality:** China  
**Residency:** Hong Kong  
**Home institution:** Hong Kong Polytechnic University  
**Research Interests:** Fiber reinforced polymers for strengthening of concrete structures, fiber reinforced cementitious materials, concrete durability and life cycle management of coastal concrete structures  
**Presentation Title:** Evaluation, modeling and optimization of interface bond in fiber reinforced polymer (FRP) strengthened concrete structures



## Dr. Yoshikazu Kobayashi

**Nationality:** Japan  
**Residency:** Japan  
**Home institution:** Nihon University  
**Research Interests:** Nondestructive testing and deformation analysis of liquefied ground.  
**Presentation Title:** Three-dimensional seismic tomography for soundness evaluation of concrete structures



## Dr. Minho Kwon

**Nationality:** Korea  
**Residency:** Korea  
**Home institution:** Gyeongsang National University  
**Research Interests:** Constitutive modeling of RC structures, computational mechanics, finite element modeling, FRP confined concrete, concrete filled tube, earthquake engineering  
**Presentation Title:** Prediction of nonlinear behavior for FRP concrete beam by multi-axial constitutive laws



of



## BK21

Advanced Geo-Environment Research Team

The College of Ocean Science and Technology  
Kunsan National University  
Myroyng-Dong, Kunsan, Chonbuk  
Republic of Korea

Office: +82-63-469-4770

Fax: +82-63-469-1771

E-mail: kim2kie@chol.com

arkido@gmail.com

yewchin.k@gmail.com