

# YuSeung Kim

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## EDUCATION

**University of Myongji** Yongin, Korea (South)

PhD course in March, 2017

**University of Soosil**, Seoul, Korea (South)

Master of Mechanical Engineering on Dynamics and Control

- Thesis: “Estimation of Output Derivative of the System with Parameters Uncertainty and Disturbance”, Advisor: Lee, GunBok
- Module taken: Management of projects,

**University of Soosil**, Seoul, Korea (South)

Bachelor of Mechanical Engineering, February 2004

## RESEARCH AND TEACHING INTERESTS

High Technology about the High-rise construction building

Structural Health Monitoring on Building

Technology about the concrete pumping

Technology about the high efficiency transport for slurry

Improved flow performance using electro magnetic field.

Automation in construction

## **PUBLICATION**

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## **PRESENTATIONS**

“Micro Vibration Measurement and Structure Identification for High-rise Residential Building, Korea, March, 2008

“Development of Wireless Data Processing System Algorithm with Self-Feedback Loop for Structure Micro Vibration Measurement, Korea, March, 2008

“Stochastic subspace identification (SSI) model analysis using wireless data logger system in grand bridge under wind load effect, Korea, August, 2008

“Calibration of a FE model based on field measurement results for a tall building, Korea, August, 2008

“Experimental study on flow characteristics for the high efficiency transporting of the dredged soil, Canada, June, 2008

“Hydraulic gradient reduction effects on the sand-water mixture flows due to electro-magnetic force generations, Korea, June, 2008

## **TEACHING AND ADVISING EXPERIENCE**

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## **PROFESSIONAL EXPERIENCE**

SAMBU System, Seoul, Korea (South)  
2004~2005, Research Director

INSTRON Korea, Seoul, Korea (South)  
2006, Manager of Technical Support Dept

Korea Maintenance and Control. Seoul, Korea (South)  
2007~2009, Deputy General Manager Leader of Maintenance System Dept.

KTMG, Seoul, Korea (South)  
2010~, CEO

Teco Lab, Seoul, Korea (South)  
2017~, Research Director

## **RESEARCH EXPERIENCE**

- Sponsored by Ministry of Land, Transport and Maritime Affairs
  - 2007~2009 : Performed an experimental research of "Development of structural restoration technology"
  - 2008~2009 : Smart Highway - Development of analytical data transmission technology to the manager
  - 2008~2009 : Smart Highway - Development of fog dissipation technology
- Sponsored by National Emergency Management Agency
  - Performed an experimental research of "Human disaster safety technology development project", 2008~2009
  - Performed an experimental research of "Development of seismic fragility function domestic architectural structures", 2009
- Sponsored by Ministry of Land, Infrastructure and Transport
  - Performed an experimental research of "Development of plug-flow type dredged soil transport device using tornado injection device." 2013~2016
  - Performed an experimental research of "An empirical study on test bed of high efficiency transport technology"

## **SKILLS**

- Proficient in qualitative and quantitative research analysis and software (NVivo and SPSS)
- Proficient use of Project management software (Microsoft Project)

- Intermediate Japanese (reading), and basic Chinese (conversation and reading)
- Building Information Modelling Accredited Professional (BRE)
- Completion of PRINCE2 (PRojects IN Controlled Environments)
- License of Engineer of Construction Safety, June 2006 (Human Resources Development Services of Korea)
- License of Engineer of Architecture, December 2005 (Human Resources Development Services of Korea)

## REFERENCES

Jamshid Parvar (Ph.D.)

Lecturer

School of Mechanical, Aerospace and  
Civil Engineering

University of Manchester

Oxford Road, Manchester

M13 9PL, UK

Jamshid@manchester.ac.uk

Kenneth Sungho Park (Ph.D.)

Senior Lecturer

School of Engineering and  
Advanced Technology

Massey University

Building 106, Gate 4 Albany Highway, Albany,

North Shore Auckland, 0745, New Zealand

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