

Soonwook Kwon

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EDUCATION

University of Texas at Austin, USA

PhD in Construction Engineering and Project Management, and Civil Engineering,
December 2015.

- Thesis: “Human assisted fitting and matching of objects to sparse point clouds for rapid workspace modeling in construction automation”
- Committee: Professor Carl T. Hass (Ph.D.)

University of Georgia Tech. BIM, USA

MSc Major in BIM, and Civil Engineering, 1999

- Committee : Professor Chuck Eastman (Ph.D.)

Hongik University, Seoul, Korea (South)

MSc Major in CAAD, Department of Construction Engineering, 1994

Hongik University, Seoul, Korea (South)

Department of Construction Engineering, Major in Architectural, 1992

RESEARCH AND TEACHING INTERESTS

Construction Engineering and Project management

Building Information Modelling

Automation in construction

Reverse Engineering

PUBLICATION

“Development of Automated Pipe Spool Monitoring System using RFID and 3D Model for Plant Constructio ”, KOREAN SOCIETY OF CIVIL ENGINEERS-KSCE, 2013

“An optimal algorithm of the multi-lifting operating simulation for super-tall building construction”, ELSEVIER SCIENCE BV , 2013

“Development of optimized point cloud merging algorithms for accurate processing to create earthwork ”, ELSEVIER SCIENCE BV , 2013

“Measures to Expand Market Inroads into the Vietnamese Construction Market ”, KOREAN SOCIETY OF CIVIL ENGINEERS-KSCE, 2013

“A MEMS-based commutation module with vibration sensor for wireless sensor network-based tunnel-blast ”, KOREAN SOCIETY OF CIVIL ENGINEERS-KSCE, 2013

PROFESSIONAL EXPERIENCE

Samsung C&T Corporation, in Construction 1994.02~1997.02, Korea (South)

- Department of Construction Technology manager

Construction Management Research Institute, Korea Institute of Construction Technology, 2003.10~2006.02, Korea (South)

- Construction Management Research Institute Senior researcher

Professor, School of Civil & Architectural Engineering and Landscape Architecture, Sungkyunkwan University, 2006.03~, Korea (South)