

Myung Sik Lee

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EDUCATION

University of Michigan, Michigan, USA -

PhD in Architectural Planning, School of Architecture, February, 1995.

- Thesis: “Design Knowledge Representation Based on the Visual Design Thinking Process”, Advisor: Dr. James Turner

Dongguk University, Seoul, Korea (South)

PhD in Dongguk University Graduate School of Architectural Engineering, February, 1992

- Thesis: “ (A)study on architectural design thinking process by means of protocol analysis”, Advisor: Moon Bo Lee

Inha University, Incheon, Korea (South)

Master of Architectural planning in Graduate School of Architectural Engineering, February, 1986

- Thesis: “A Study on the Development of the High Rise-Density Housing”, Advisor: Professor Moon Sup Lee (Ph.D.)

Inha University, Incheon, Korea (South)

Bachelor of Architecture in Department of Architectural Engineering, February, 1984

RESEARCH AND TEACHING INTERESTS

- Architectural planning and Design
- Architectural information
- Architectural life cycle models and Digital architecture
- Building Information Modelling

RESEARCH PAPER

“Window-to-Wall-Ratio for Energy Reduction in Early Design Stage of Residential Building”, Architectural Research, Vol.19 No.4 (2017-12), Architectural Institute of Korea

“High-rise disaster safety management integrated system”, 2017.11, 2017 Fourth Industrial Revolution Era and Future of High-rise Buildings

“A Study on Overseas Trend of Facilities Management in High-rise”, Proceedings of the Fall Conference, Vol.37 No.2 (2017-10), Architectural Institute of Korea

“Performance of the Foldable Fire-Evacuation Staircase for High-Rise Residents”, Proceeding-Connecting the City, 2017.09

“Effectiveness of a Project Applying Crime Prevention through Environmental Design in an Urban Area in South Korea”, ARCHITECTURAL INST JAPAN, 2017.09

“Diversification of architectural education”, Review of Architecture and Building Science, 2017.08, Architectural Institute of Korea

“A Study on Remodeling Application of 3D Kinetic Facade”, Journal of Architectural Policy, 2017.06, Architectural Policy Association of Korea

“A Study on Remodeling Planning by Utilizing BIM Based Kinetic Elevation”, Journal of Korea Facility Management Association, Vol.12 No.1 (2017-06), Korea Facility Management Association

“A Study on the State and Improvements of FM Industry in Korea in accordance with FM International Standardization”, Journal of Architectural Institute of Korea Planning & Design, Vol.33 No.04 (2017-04), Architectural Institute of Korea

“The era of the 4th Industrial Revolution, the response of architecture”, Review of Architecture and Building Science, 2017.05, Architectural Institute of Korea

“2nd Lotte World safety management comprehensive inspection case report”, 2017.05, Council on Tall Building and Urban Habitat Korea

“A Study on Sewoon District Remodeling Planning by Utilizing BIM Based Kinetic Facade”, Proceedings of 2017 Spring Conference, Vol.37 No.1 (2017-04), Architectural Institute of Korea

“Smart FM International Standardization Status”, KFMA Conference, 2017.04, Korea Facility Management Association

“A Study on the Survey of FM Service Standardization”, Journal of Korea Facility Management Association, 2017.03, Korea Facility Management Association

“A Study on the development of Building Envelope Elements for energy Reduction in Multi-Rise Residential Buildings”, Architectural Research, Vol.18 No.4 (2016-12), Architectural Institute of Korea

“Smart FM International Standardization”, 2016.11, The 11th Korea Facilities Safety Corporation Performance Presentation

“Smart Facility Management in International Standard”, KFMA 21th International Symposium Proceedings Vol. 22, 2016.11, Korea Facility Management Association

“Established evaluation system of FM-based green remodeling plan”, KFMA 21th International Symposium Proceedings Vol. 22, 2016.11, Korea Facility Management Association

“Development of BIM-based energy efficiency rating evaluation simulator”, KFMA 21th International Symposium Proceedings Vol. 22, 2016.11, Korea Facility Management Association

“A Study of Early Design Stage Window to Wall-Ratio on Heating and Cooling Energy Consumption of Multi-Rise Buildings in Korea”, 2016 ISAIA, 2016.09

“Indoor Environmental quality in Korean Green Building certification criteria certified office building occupant satisfaction and performance”, KSCIENCE AND TECHNOLOGY FOR THE BUILT, 2016.07

“How Visibility Related Physical Elements of Street affects Burglary? - in Low-rise Residential areas”, Journal of Architectural Institute of Korea Planning & Design, Vol.32 No.07 (2016-07), Architectural Institute of Korea

“Quality Management (QM) Standard Issues in FM - Based on Building on quality in European FM Standard”, Architectural Research, Vol.18 No.1 (2016-03), Architectural Institute of Korea

“A Study on the Conflicts among the Participants in the Town Development Project : Applying Grounded Theory”, Review of Architecture and Building Science, 2016.03, Architectural Institute of Korea

“ A Study on Application of Evaluation Standard for FM Based Green Remodeling Facade Planning by User Life Cycle”, Journal of Korea Facility Management Association, Vol.10 No.2 (2015-12), Korea Facility Management Association

“FM ISO / TC267 International Trends”, KFMA 21th International Symposium Proceedings Vol. 22, 2015.11, Korea Facility Management Association

“A Study on Green Remodeling Envelope Planning Based on FM-based User Life Cycle”, FM towards creative economy, 2015.11

“Effective post-utilization of 2018 PyeongChang Winter Olympic sports facilities”, Advisory Committee for the 2018 Pyeongchang Olympic Winter Games Stadium, 2015.11

“My Change in the Process of the Architectural Institute”, Review of Architecture and Building Science, 2015.10, Architectural Institute of Korea

“2030 Future Trend: Fusion of Future Trend with Construction Technology”, 2015.10

“A Study on the Spatial Characteristics and Planning Elements of the Courtyard according to the Regional Characteristics and Social Interaction”, Review of Architecture and Building Science, 2015.08, Architectural Institute of Korea

“Orientation of architectural practice education between academy and practice”, Review of Architecture and Building Science, 2015.08, Architectural Institute of Korea

“The Courtyard as a Microcosm of Everyday Life and Social Interaction”, Architectural Research, Vol.17 No.2 (2015-06), Architectural Institute of Korea

“Prototype Development for BIM based Thermal Insulation and Condensation Performance Evaluation of Apartment Housings”, Architectural Research, Vol.17 No.2 (2015-06), Architectural Institute of Korea

“Effective use of important sports facilities”, 2015-06, Architectural Policy Association of Korea

“Status of Korean FM”, JFMA FORUM 2015 Asia FM Summit, 2015-02

“ A Study on the Spatial Configuration of the Post-Disaster Refugees Housing”, Journal of Architectural Institute of Korea Planning & Design, v.30 n.12 (2014-12), Architectural Institute of Korea

“Construction of web-based energy efficiency evaluation simulator (WAESES)”, 2014.12, Korea Facility Management Association

“Application of Fractal Geometry to Architectural Design”, 2014.12, Architectural Research

“A study on the Implement of Urban & Architectural Design Tool for Next Generation”, KFMA 20th International Symposium Proceedings, 2014.11, Korea Facility Management Association

“Outlook and International Current State of ISO/TC 267 FM”, 2014.11, Korea Facility Management Association

“The Establishment of Web Applied Energy Saving Evaluation Simulator”, 2014.11, Korea Facility Management Association

“Remodeling Project A&C”, Review of Architecture and Building Science, 2014.10, Architectural Institute of Korea

“Dongguk University Architecture Education System: Introduction of 4 + 2 System”, Proceedings of 2014 Autumn Conference , 2014-10, Architectural Institute of Korea

“A Study on the Fire Safety and Evacuation Methods of Residents”, Review of Architecture and Building Science, 2014.09, Architectural Institute of Korea

“Math and Architecture”, Bridges Seoul Conference Proceedings, 2014.09

“Urban regeneration and housing culture trend”, Incheon Metropolitan City Human Resources Development Institute International Cultural Events, 2014.07

“Dongguk University Architecture Education System: Diversification of Architectural Education”, Review of Architecture and Building Science, 2014.04, Architectural Institute of Korea

“BIM-based public building energy maintenance plan”, 2013.12, Korea Facility Management Association

“Environmental Diagnosis and Change”, 2013.12, Korea University Education Council

“A Study on the Comprehensive Planning of Sustainable Green Campus”, Journal of Korean Institute of Educational Facilities, v.20 n.5(2013-09), Korean Institute of Educational Facilities

“A Study on the Comprehensive Planning of Global Campus Based on Characteristics of Program”, Journal of Architectural Institute of Korea Planning & Design, v.29 n.8 (2013-08), Architectural Institute of Korea

“Life Cycle and Evaluation Management in Green Campus Planning and Design Process”, Review of Architecture and Building Science, v.57 n.8(2013-08), Architectural Institute of Korea

“ A Study on the Implement Components of BIM Based Energy Efficiency Evaluation Simulator”, Journal of Korea Facility Management Association, v.8 n.1 (2013-06), Korea Facility Management Association

PATENT

“Facade apparatus for building”, 10-1339679-0000 (2013.12.04.), Korean Intellectual Property Office

TEACHING AND ADVISING EXPERIENCE

- **Perkins & Will, USA**
Senior Designer at Design Dpt., 1994.01 - 1995.02
- **SNCF. APG, France**
Senior Designer at Design Dpt., 1995.02 - 1996.01
- **The University of Michigan, USA**
Post Doc. at the college of architecture, 1995.09 - 1997.09

- **Lawrence Technological University, USA**
Guest Critic at Graduate School of Architecture, 1995.12 - 1996.08
- **The University of Michigan, USA**
Guest Critic at the college of architecture, 1996.08 - 1997.08
- **Perkins & Will, USA**
Senior Designer at Design Dpt., 1996.01 – 1996.12
- **Minoru Yamasaki, USA**
Director at Design Dpt., 1996.12 - 1998.12
- **Dongguk University, KOREA**
Professor at the Department of Architectural Engineering, 2000.09 -

Voluntary activities

- **Public hearing for improvement plan of architecture**, architectural engineering education system, Architectural Institute of Korea, 2017.04
- Introduction to FM, Korea Facility Management Association, 2017.03
- **The Future Campus Development Team**, 2017.03
- **PD(A)**, Dongguk University, 2016.03 – 2018.02
- **PD**, Department of Convergence Standards, Dongguk University, 2016.08 – 2017.08
- **Graduate School Convergence Standards Department Steering Committee**, College of Engineering, Dongguk University, 2016.04
- **Gyeonggi-do Building Committee**, Gyeonggi-do, 2010. 02 - 2012. 02
- **Member of the Gyeonggi Province Joint (Urban Planning, Architecture) Committee**, Gyeonggi-do, 2010. 02 - 2012. 02

RESEARCH AND DEVELOPMENT

- **Development of integrated disaster prevention integrated management system (IDPMS) based on automation technology**, 2017. 11 - 2018. 02
- **Development of Internet based prefabrication smart infill system**, 2017. 09 - 2018. 02
- **Facilities Management International Standards Development Research**, 2015. 06 - 2017. 05
- **Construction of TCA model using virtual intelligent activity objects based on life cycle behavior**, 2014. 06 - 2016. 05
- **Long-term facility improvement research service of National Center for Korean Traditional Performing Arts**, 2013. 08 - 2014. 01

- **Improvement of curriculum of "Technical report preparation" for engineering education certification system and development of sample book as teaching and learning materials, 2008. 10 -**

ACADEMIC ACTIVITIES

- President of Council on Tall Building and Urban Habitat Korea, 2018
- President of Architectural Policy Association of Korea, 2018
- Vice President of Business Division, Architectural Institute of Korea, 2016
- Industrial Activation Plan and Policy Proposal in Architectural Urban Design, 2016
- Presidential National Construction Policy Committee Commendation on the Architecture Day, 2015
- Director of Architectural Institute of Korea, 2015 – 2017
- Vice President, Council on Tall Building and Urban Habitat Korea, 2015-2016
- Chairman, Editorial Committee, Architectural Institute of Korea, 2014 – 2016
- Vice Chairman, Korea Institute of Construction Policy, 2014 – 2016
- Facilities management manager qualification education, Korea Facility Management Association, 2014 – 2014
- Vice President of International Affairs, Korea Facility Management Association, 2014 – 2014
- Operations Director, buildingSMART Korea, 2008 -
- Chairman, Editorial Committee, Architectural Institute of Korea, 2012 -
- Vice Chairman of Design Faculty Council, 2014 -
- ISO/TC 267 Expert committee, 2012 -
- Vice President of Korea Facility Management Association, 2012 –
- Vice Chairman, Korea Institute of Construction Policy, 2014 -
- Member of International Alliance For Interoperability, 1999 -
- Member of Korean Architects Association, 1999 -
- Invited Artist, Korean Architects Association, 1999 -

COMMITTEE

- Chairman of the Committee on Architecture Day, 2016.01 – 2017.12
- Chairman of Architectural Information Technology Committee, Architectural Institute of Korea, 2012.04 -
- Judge, International Design Competition, Korea Broadcasting Corporation, 2017.01 – 2017.12
- Technical Advisory Board Member, Administrative City Complex City Construction Bureau, 2017.01 – 2018.12

- Technical Advisory Member, Korea Post, 2017.03 – 2019.03
- Technical Advisor, Public Procurement Service, 2017.08 – 2018.08
- Member of the Professional Services Committee of the National Technology Standards Agency, 2017.04 – 2018.04
- Seoul Metropolitan Architectural Committee Member, 2017.02 – 2019.02
- Advisory Committee Member of Construction and Construction, Jongno-gu, Seoul, 2016.06 – 2017.06
- Member of the Gyeonggi-do City Urban Regeneration Committee, 2016.11 – 2018.10
- Advisory Committee Member of Engineering Research Division, 2016.09 – 2018.08
- Chairman of the Committee on Architecture Day, 2016.08 – 2016.12
- Gyeonggi-do Architectural Committee, 2016.01 – 2016.12
- Member of Technology Advisory Committee of Henan City Corporation, 2016.01 – 2016.12
- Member of the Advisory Committee for the Establishment Promotion of Educational Research Complex, 2016.01 – 2016.12
- Korea Asset Management Corporation National Land Development Business Technical Advisory Committee, 2016.01 – 2016.12
- Design Consultant, Yongin Urban Corporation, 2016.02 – 2016.12
- Research Fellow, Fundamental Research Division, Korea Research Foundation, 2016.09 – 2018.08
- Sungnam Urban Development Corporation Construction Advisory Committee, 2016.02 – 2016.12
- Judge of the 20th Gyeonggi-do Architectural Culture Awards, 2015.07 – 2015.11
- Evaluation committee for completion of excellent architecture, 2015.04 – 2016.03
- Member of Hwaseong City Regional Building Committee, 2015.04 – 2018.04

AWARDS

- Gyeonggi-do Provincial Government Complex(1996) - Elected
- Gyeonggi Small & Medium Business Support Center(1996) - Elected
- Seongdong General Administrative Village (1997) - Elected
- Suwon City Chang'an-gu Office (1998) - Elected
- Donggyo Shinturi Apartment Type Factory (1998) - Elected
- Participated in Jeonju World Cup Stadium Design (1998) - A masterpiece
- Participated in Busan Samsin Gymnasium Design Competition (2004) - Elected
- International Competition Design Competition for Apartment in Jungang Pangyo New City (2006) - Elected
- Cheongna district apartment turnkey (2007) - Elected

BOOK

- HAUD Report No 21 - Eco-friendly Architecture - HAUD Publishing, 2010
- Architectural textbook Housing design, edited by Korea Architectural Institute, 2010
- URBAN FLOTSAM CHORA urban disturbance, spacetime, 2009
- Report writing and presentation techniques, intervision publishing
- Housing lecture, Kimoondang publishing
- Beyond the boundaries of architecture, munundang publishing
- Design Studio Review 2007, daega publishing
- Middle and low-rise steel frame building design manual, sehwa publishing
- Auto CAD for Architecture and Interior design drawing editing, Kimoondang publishing
- A new type of housing, Kimoondang publishing
- 2005 Corporate Information White Paper, Corporate Information Support Center
- Design Studio Review 2006, daega publishing
- Avatar of Construction BIM, Construction Economy
- Writing and Presentation for Engineers - InterVision