Hyoung-June Park, Ph.D./ M.S./ M.Arch.

Professor of Architecture + Design & Computation
School of Architecture + University of Hawai'i at Manoa

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an innovative educator, internationally renowned scholar, and administrator for risk management services. His academic credentials include a Ph.D. from University of Michigan (design optimization), Master of Science (MIT), and Master of Architecture (University of Michigan).

1) **Teaching**: Since his initial hire, he has been responsible for the curriculum of digital technologies and computational design in architecture. Furthermore, their application for various architectural practices including studio works. After his tenure and promotion to associate professor, Hyoung-June received a **Board of Regent's Medal for Excellence in Teaching (UH).** In combination with research, his teaching in graduate program guided many doctoral students to enhance their academic excellence to the level of **receiving ARCC King medals and HAF Awards**. In addition to the graduate, currently his c-o-teaching undergraduate course titled **"Rebuilding Lahaina in Mixed Reality"** received **the national attention through Smithsonian Magazine** (https://www.smithsonianmag.com/innovation/university-students-in-hawaii-use-cutting-edge-technology-to-digitally-restore-historic-buildings-damaged-by-maui-wildfires-180984311/).

2) **Research**: In addition to more than **36 peer reviewed publications in the renowned journals (indexed in A&HCI, SSCI, SCIE, ESCI, SCOPUS, or Web of Science)** like "International Journal of Architectural Computing," "Nexus Network Journal," "Environment and Planning B: Planning and Design," and "Journal of Interior Design," "Kapiolani Residence" (Affordable condominium) designed based upon my practice based research is **recognized by United Nation (UN) Habitat for a better urban future with affordable housing**. It was further developed to **"UHCDC Waipahu TOD Collaboration"** that he participated in as a Co-PI. The project recognized **by ACSA Collaborative Practice Award (2020)**. Currently he is serving **as an editorial member of "Architectural Intelligence" journal published by Springer**. As of 2023, the sum of the research grants/awards that he participated in as a PI or Co-Pi is **more than $300,000**.

3) **Risk management service**: Currently Hyoung-June serves as a **Graduate Chair in Architecture and Director of MArch/ DArch degree programs. MArch program** will have **NAAB accreditation visit in fall 2025** and **DArch program** is expected to have NAAB visit **in fall 2026.** He already served two times (2017-2018, 2019-2021) as a **Graduate Chair/ Director of Doctor of Architecture Program**. During his tenure as the chair, SoA was granted a full eight-year term of accreditation from NAAB). Also, when he served **as the chair of NAAB Preparation Committee** (2011-2013), a full six-year term of accreditation was granted. Furthermore, during my tenure as the

undergraduate program chair, Bachelor of Environment Design, BENVD, was officially installed and separated from Doctor of Architecture Degree.

EDUCATION

Apr., 2005   **Ph. D. in *Architecture,*** University of Michigan, Ann Arbor, MI
Dissertation: A Quantification of Proportionality Aesthetics in Morphological Design

Jun., 1997   **Master of Science in *Architecture Studies concentrated on Design & Computation***
Massachusetts Institute of Technology, Cambridge, MA
Thesis: Formalization, Data Abstraction, and Communication
Graduated with MIT Compton Award

Apr., 1995   **Master of Architecture in *Design*,** University of Michigan, Ann Arbor, MI
Graduated with AIA Alumni Society Award for Distinguished Design

ADMINISTRATION EXPERIENCE

Aug., 2024-   **Graduate Chair/ Director of Doctor of Architecture Program,**
   present   **School of Architecture, University of Hawai'i at Manoa**
Aug., 2019-
July, 2021   (NAAB granted a full eight year term of accreditation)
Aug., 2017-
 July, 2018

Jan., 2014-   **Chair of Undergraduate Program,**
July, 2015   **School of Architecture, University of Hawai'i at Manoa**
(Bachelor of Environment Design, BENVD, officially installed and separated from Doctor of Architecture Degree)

2011 - 2013   **Chair of NAAB Preparation Committee,**
School of Architecture, University of Hawai'i at Manoa
(NAAB granted a full six year term of accreditation)

TEACHING EXPERIENCE

Aug., 2025   **Professor, School of Architecture, Univ. of Hawai'i at Manoa (UHM)**
- present
Aug., 2013   **Associate Professor, School of Architecture, Univ. of Hawai'i at Manoa (UHM)**
- Jul., 2025   Teaches Core CAAD/ Design computing courses, Design Studios, Advanced Elective Courses, and Doctoral Student Advising. Recipient of **Board of Regent's Medal for Excellence in Teaching**

Aug., 2006   **Assistant Professor, School of Architecture, Univ. of Hawai'i at Manoa (UHM)**
 - Jul., 2013   (Tenure clock started from August, 2007 due to VISA issue – only permanent resident allowed for tenure track at UHM until August 2007)

RESEARCH EXPERIENCE

DIRECTOR OF DESIGN FUTURES LAB (https://i.design4futures.com/)

INDEXED & PEER REVIEWED PUBLICATIONS (Selected)

Hyun, K. H., **Park, H.-J.,** & Yun, K. 2024, Perspectives on Artificial Intelligence and Computation in Design. Archives of Design Research, 37(3), 4–5. (SCOPUS)

Zhou Y, **Park H-J**. 2023, An AI-augmented multimodal application for sketching out conceptual design. International Journal of Architectural Computing. Volume 21, Issue 4 https://doi.org/10.1177/147807712211476 (SCOPUS, ESCI)

Kim, H., Yi, T., **Park, H.-J.** and Hyun, K.H. , 2022, Enhancing Design Activity and Review Experience Through Hybridizing Desktop and Virtual Environments. Journal of Interior Design.48.1. https://doi.org.eres.library.manoa.hawaii.edu/10.1111/joid.12233 (A&HCI in Architecture)

Robinson, R., and **Park, H-J**, 2022, "Learning from Hale: An Educational Augmented Reality Application for An Indigenous Hawaiian Architecture," Proceedings of CAADRIA (Computer Aided Architectural Design Research in Asia) 2022, Sydney, Australia (Indexing: SCOPUS, Web of Science, Comunicad)

Zhou, Y., and **Park, H-J**, 2021. "SKETCH WITH ARTIFICIAL INTELLIGENCE (AI) - A Multimodal AI Approach for Conceptual Design," *Proceedings of the 26th CAADRIA Conference - Volume 1, The Chinese University of Hong Kong and Online, Hong Kong*, 29 March - 1 April 2021, pp. 201-210 (Indexing: SCOPUS, Web of Science, Comunicad)

Hashimoto, J., and **Park, H-J**, 2020. "Dance with Shadows: Capturing Tacit Knowledge with Smart Device Augmented Reality (SDAR)," *Proceedings of the 38th Education and Research in Computer Aided Architectural Design in Europe (eCAADe),* Technische Universität Berlin, Berlin, pp.165-172 (Indexing: Web of Science, Comunicad)

Park, H-J, 2020. "Stylistic Reproductions of Mondrian's Composition with Red, Yellow, and Blue," *Proceedings of the 25th CAADRIA Conference,* Chulalongkorn University, Bangkok, Thailand, pp.133-142 (Indexing: SCOPUS, Web of Science, Comunicad)

Sandstrom, A., and **Park, H-J**, 2019. "Reflection in Action - An educational indie video game with design schema," *Proceedings of the 24th CAADRIA Conference - Volume 2, Victoria University of Wellington,* Wellington, New Zealand, 15-18 April 2019, pp. 303-312 (Indexing: SCOPUS, Web of Science, Comunicad)

Molina, K., and **Park, H-J**, 2018. "Sparking Off Walkability: A Computational Approach of Urban Network Analysis on Walkability in TOD Neighborhoods," *Proceedings of the 23rd International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2018) /* Tsinghua University, Beijing, China, pp. 391-400. (Indexing: Web of Science, Comunicad)

Park H-J. 2017. "Ratios from the Intersections of 10 + 1 Proportionalities," *Nexus Network Journal* **19**(1): 145 – 154. (Indexing: Social Science Citation Index Expanded–SCIE, SCOPUS, Arts & Humanities Citation Index –AHCI)

Park, H-J, and Kassa, B., 2016. "A Tale of Two Cities: A Cost-driven Design Optimization in Addis Ababa & Honolulu," *Proceedings of the 21st International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2016) /* Melbourne, Australia. pp. 23-32

(Indexing: Web of Science, Comunicad)

Park, H-J, Yeh, R., and Ahlers, R. 2014. "A FUTURE SCENARIOS BASED COMPUTATIONAL FRAMEWORK FOR CAMPUS PLANNING," *Proceedings of the 19th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2014) /* Kyoto, Japan. pp. 419-428 (Indexing: Web of Science, Comunicad)

Park, H-J, and Chen, J. 2014. "A COST-DRIVEN DESIGN OPTIMIZATION FRAMEWORK," *Proceedings of the 19th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2014) /* Kyoto, Japan. pp. 957-958, (Indexing: Web of Science, Comunicad)

Lee J-H, **Park H-J**, Lim S, Kim S-J. 2013. "A formal approach to the study of the evolution and commonality of patterns," *Environment and Planning B: Planning and Design* 40 (1) pp. 23 – 42. (Indexing: Social Science Citation Index – SSCI)

Suh, Junghwa, and **Park H-J**. 2013. "Daylighting as a Synthesis Tool in the Early Stage of an Urban-Scape Design," *Proceedings of the 18th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2013) /* Singapore, pp. 189-198. (Indexing: Web of Science, Comunicad)

Kato, K., and **Park, H-J**, 2012. "Toward a Performance-Oriented Architecture: An integrated design approach to a real-time responsive structure," *Proceedings of the 17th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2012),* Chennai, India, 25-28 April, 2012, pp. 59-68. (Indexing: Web of Science, Comunicad)

Park, H-J, and Burry, J. (eds) International Journal of Architectural Computing (IJAC) -"New Frontier," Volume 9, Number 1, March 2011. (Indexing: Emerging Sources Citation Index - ESCI, SCOPUS, EBSCO, Comunicad)

Park, H-J, "A Parametric Design Strategy for 4,000 Bus Stops," CAAD Futures 2011 *[Proceedings of the 14th Biennial International Conference on Computer Aided Architectural Design Futures]* Liege, Belgium, 6-8 July 2011, pp. 265-278. (Indexing: Comunicad)

Kim, J-W, and **Park, H-J**, "Design of a transformable disaster shelter with the computational implementation of Korean joinery system," ," *Proceedings of the 16th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA 2011),* Newcastle, Australia, 27-30 April, 2011, pp. 61-70. (Indexing: Web of Science, Comunicad)

Park, H.J. and Park,Y.K. "Revitalization of Environmental Sustainability hidden in Yeon Gyeong dang," Journal of Asian Architecture and Building Engineering (JAABE) Vol.9 No.2 November 2010, pp. 291-298. (Indexing: AHCI, SCIE, SCOPUS, Civil Engineering Abstracts - CEA, Compendex)

Park, H.-J. and J.-H. Lee."Exploring Integrated Design Strategies for the Optimal Use of BIM," *Architectural Research* Vol.12, No.2, Architectural Institute of Korea, December, 2010, pp. 9-14. (Indexing: KSCI- Korean Science Citation Index)

Dave, B., Li, A. I., Gu, N., and **Park, H.-J.** (eds.): New Frontiers: *Proceedings of the 15th International Conference on Computer-Aided Architectural Design Research in Asia CAADRIA 2010*, Association for Research in Computer-Aided Architectural Research in Asia (CAADRIA), Hong Kong, 7-9 April. (Indexing: Web of Science, Comunicad)

Chellappa, J. and **Park, H.J.,** "BIM + HEALTHCARE: On the view of the renovation of a primary healthcare project," CAADRIA 2010 *[Proceedings of the 15th International Conference on Computer Aided*

Architectural Design Research in Asia], Hong Kong, 7-9 April, 2010, pp. 293- 302. . (Indexing: Web of Science, Comunicad)

Lee, J.H., **Park, H.J.** , and et al, "A Formal Approach for the Interpretation of Cultural Content(s): On the View of a Korean Traditional Pattern, BOSANGWHAMUN," CAADRIA 2010 *[Proceedings of the 15th International Conference on Computer Aided Architectural Design Research in Asia],* Hong Kong, 7-9 April, 2010, pp. 19-28. (Indexing: Web of Science, Comunicad)

Park, H.J. , "BODY + SPACE: Exploring Morphological Transformations of Body Movements in the Design of a Transformable Structure," CAADRIA 2009 *[Proceedings of the 14th International Conference on Computer Aided Architectural Design Research in Asia]* Yunlin (Taiwan) 22-25 April 2009, pp. 85-92. (Indexing: Web of Science, Comunicad)

Park, H.J., "Parametric Variations of Palladio's Villa Rotonda," *International Journal of Architectural Computing (IJAC),* Issue 02, Volume 06, pp 145-169, 2008. (SCOPUS, ESCI)

Park, H.J. , "EVOLUTION + BIM: The Utilization of Building Information Modeling at an Early Design Stage," CAADRIA *2008 [Proceedings of the 13th Conference on Computer Aided Architectural Design Research in Asia]* Chiang Mai (Thailand) 9- 12 April 2008, pp. 552-559. (Indexing: Web of Science, Comunicad)

Park, Y.K., and **Park, H.J.** , "The Study of Environmental Sustainability in the 19th Century Traditional Korean Residence, Yeongyeongdang," CAADRIA 2008 *[Proceedings of the 13th Conference on Computer Aided Architectural Design Research in Asia]* Chiang Mai (Thailand) 9-12 April 2008, pp. 229-235. (Indexing: Web of Science, Comunicad)

INVITED PUBLICATIONS

Park, H.J. Urban Design Institute of Korea
https://www.udik.or.kr/pages_publication/urban_design.vm

Park, H.J., "Biki," Urban Design Focus & Review, Urban Design Institute of Korea, February 2020
Park, H.J., "Optimization," Urban Design Focus & Review, Urban Design Institute of Korea, November 2017
Park, H.J., "Disaster Preparedness," Urban Design Focus & Review, Urban Design Institute of Korea, September 2017
Park, H.J., "Artificial Intelligence". Urban Design Focus & Review: June 2017
Park, H.J., "Urban Resilience".   Urban Design Focus & Review: April 2017.
Park, H.J. "Mapping Futures(s)". Urban Design Focus & Review: February 2017
Park, H.J., "Liquidation I". Urban Design Focus & Review: 2December 2016
Park, H.J., "Technology & City". Urban Design Focus & Review: October 2016

GRANT, AWARDS, HONORS, AND PATENT

2025   "Fröebel's Digital Gifts for Learning to Design a Prairie-Style House: An
             Immersive Student-Centered Approach with Real-Time Expert Feedback" (under review)
             Research Grants on Education - Spencer Foundation ($50,000)

2025   "Pohala Lahaina: Reviving Communal Experience embedded in Historical Artifacts
             affected by Wildfire in Lahaina" (under review) **Digital Projects for the Public – National
             Endowments for the Humanities (NEH) ($50,000)**

2020	**ACSA Collaborative Practice Award**, Waipahu TOD Collaboration team for "**best practices in school-based community outreach programs**"
2018	"**Waipahu Transit Oriented Development (TOD) Collaboration**" **($250,000)** supported by **Office of Planning,** State of Hawaii
2018	"**Kapiolani Residence**" **(Affordable condominium)** recognized by **United Nation (UN) Habitat** for a better urban future with affordable housing**.**
2014	**Board of Regent's Medal for Excellence in Teaching,** University of Hawaii
2014,16,18	**Travel Grant ($4,200)**, University Research Council (URC), University of Hawaii at Manoa
2012-15	**Extramural Research Fund Award ($30,000),** Samkoo Hawaii (previously Sam House Development) LLC
2012-15	"**Technology, Innovation, and Society**" **Grant Award ($20,000)**, University of Hawaii at Manoa, Honolulu
2012	**Elmer E. Botsai Professional Practice and Research Award ($3,500)**, School of Architecture, University of Hawaii at Manoa, Honolulu
2012	**Best Paper Award** at 2012 CAADRIA Conference at Chennai, India (Co-authored with Kody Kato)
2012	**Patent Pending**: Provisional Patent Application 61/687,400 titled "System and Method for Performance-Oriented Architecture (Co-inventor with Kody Kato)
2009, 11	**Travel Grant ($3,587)**, University Research Council (URC), University of Hawaii at Manoa, Honolulu
2007	**University of Hawai'i Research Relations Fund Award ($4,914),** University of Hawaii at Manoa, Honolulu
2007	**Special fund for innovative scholarship and creative work ($3,301),** University of Hawaii at Manoa, Honolulu

EDITOR, PAPER REVIEWER AND INTERNATIONAL CONERENCE COMMITTEE

2022 -present	**Editorial Board Member, Architectural Intelligence, Springer**
2021	**Paper Reviewer**, **CAAD Futures** 2021 at University of Southern California, USA
2017 -present	**Paper Reviewer**, **CAADRIA** (Computer Aided Architectural Design Research in Asia), and **eCAADe** (Education and research in Computer Aided Architectural Design in Europe)
2017	**Paper Reviewer**, **Nexus Network Journal,** Birkhauser, Springer
2017	**Paper Reviewer**, **IASDR** (International Association of and Societies of Design Research) conference to be held on October 31 – November 3, 2017 at University of Cincinnati, Cincinnati, USA

2015	**Paper Reviewer, ASME (American Society of Mechanical Engineers) 2015** International Design Engineering Technical Conferences (IDETC) and Computers and Information in Engineering Conference (CIE), Boston, Massachusetts
2015	**Paper Reviewer**, **CAAD Futures** 2015 at MASP, Sao Paulo, Brazil
2014	**Paper Reviewer, Journal of the American Planning Association (JAPA)**
2014	**Paper Reviewer**, **International Journal of Architectural Computing (IJAC)**
2013	**Scientific Committee** – International Paper Review Panel, **CAAD Futures** 2013 at Tongji University, Shanghai, China
2012	**Paper Reviewer**, **PRACTICAL BIM 2012 Conference**, University of Southern California, Los Angeles
2011	**Paper Reviewer**, **IASDR** (International Association of and Societies of Design Research) conference to be held on October 31 – November 4, 2011 at TU Delft, Delft, Netherlands
2011	**Co-Editor**, **International Journal of Architectural Computing (IJAC)**
2009 -present	**International Review Committee**, Computer Aided Architectural Design Research in – Asia (CAADRIA)
2009 -2010	**Co-Editor, The Proceedings of 15th International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA)**, Hong Kong, April, 2010
2010	**Paper Reviewer**, **ASME (American Society of Mechanical Engineers) 2010** International Design Engineering Technical Conferences (IDETC) and Computers and Information in Engineering Conference (CIE), Montreal, April, 2010

INVITED PRESENTATION

2020	**Park, H.J.** "Design Futures + Computational Design with AI," International Seminar on Artificial Intelligence in Architecture, Hanyang University, Seoul, Korea, August 3-14, 2020
2019	**Park, H.J.** "Design Optimization in Architecture," the School of Architecture and Urban Planning, Nanjing University, China, May 24, 2019
2016	**Park, H.J.** "Oh Ye of Little Faith," Seoul Biennale of Architecture and Urbanism: Mapping the New Commons, Seoul, Korea, May 6, 2016
2009	**Park, H.J.** and Garcia, A., "BODY+SPACE," Pecha Kucha Night 7.0 in Honolulu, December 11, 2009. The footage of the interview in the event can be found at http://vimeo.com/8458375.
2009	**Park, H.J.** VECSiD (Visual Exploration of Cultural Style in Design) Workshop held in KAIST, Korea from September 24 ~ 25 as a co-investigator, 2009
2008	**Park, H.J.** "Alberti's Dream - Current Trend in Digital Architecture," at University of Seoul, Seoul, Korea, March 26, 2008

2007   **Park, H.J.** Panel presentation for "Digital technology in architecture and its future" session in the 7th International Symposium on Asia Pacific Architecture at the University of Hawaii, June 13 ~16, 2007.

SERVICE

Department

2019 -2021 2017 -2018	**Graduate Chair/ Director of Doctor of Architecture Program,** **School of Architecture, University of Hawai'i at Manoa** Aug., (NAAB granted a full eight year term of accreditation) July, -
Jan., 2014- July, 2015	**Chair of Undergraduate Program,** **School of Architecture, University of Hawai'i at Manoa** (Bachelor of Environment Design, BENVD, officially installed and separated from Doctor of Architecture Degree)
2016 -2017	**Chair of Architecture Faculty Senate**, School of Architecture (SoA) **Scholarship Committee** – School of Architecture (SoA) **School Policy Committee** – School of Architecture (SoA)
2019 -2021 2017 -2018 2014 -2015 2009 -2010	**Curriculum Committee**, School of Architecture (SoA)
2013 -2015 2016 -2017	**Architecture Personal Committee (APC)** – School of Architecture (SoA)
2015 -present	**Teaching Excellence Convener** – School of Architecture (SoA)
2011 -2013	**Chair of NAAB Preparation Committee,** **School of Architecture, University of Hawai'i at Manoa**
2007 -2017	**Portfolio Review Committee**, School of Architecture (SoA)
2011 -2013	**Secretary of Faculty Senate**, School of Architecture (SoA)
2010 -2017	**NAAB Preparation Committee**, School of Architecture (SoA)
2011 -2017	**Strategic Planning Committee**, **Lecture Committee**, and **SoA Journal Committee** , School of Architecture (SoA)
2010 -2011	**SoA Journal Committee, All-School Charette Committee, and Portfolio Review**

Committee, School of Architecture (SoA)
Global Programs Committee, School of Architecture (SoA)

2007   **Digital Design and Fabrication Committee**, School of Architecture (SoA)
-2009   **Faculty Research Committee**, School of Architecture (SoA)

University

2016
-2019   **Manoa Faculty Senate** – University of Hawaii at Manoa (UHM)
2011
-2013

2018
-2019   **Committee on Academic Policy and Planning (CAPP)** at UHM

2017
-2018   **Committee on Professional Matter (CAB)** at UHM

2016
-2017   **Committee on Administration and Budget (CAB)** at UHM
         Graduate Council at UHM
         All Campus Council of Faculty Senate Chairs (ACCFSC) in UH System

2012
-2014   **Committee on Research and Graduate Education (CORGE)** at UHM

2013
-present   **Member**, Center for Korean Study (CKS), University of Hawaii at Manoa (UHM)

Community

2013
-2015   **Affordable Housing Think Tank** – Senator Suzanne Chun Oakland, Hawaii