

# DR. CHULOH JUNG

## Academic Rank

- Associate Professor
- Director of Ajman University Innovation Center
- Director of King Sejong Institute at Ajman University

## Qualifications

- Ph.D. Yonsei University.
- M.Arch. Harvard University, Graduate School of Design.
- M.Des.S. Harvard University, Graduate School of Design.
- B.Arch. Yonsei University.
- Korean Institute of Architects, 2003, Seoul, South Korea.

## Research field(s)

- Architectural Design and Planning
- Urban [U-City] Design and Planning
- Computer Aided Architectural Design | Digital Design & Fabrication
- Indoor Built Environment

## Publications *(Last five years)*

- Jung, C., Awad, J. & Al Qassimi, N. (2021) Analyzing the users' satisfaction levels and perceptions of the Dubai water canal for future waterfront development in UAE. *Future Cities and Environment (Scopus Q1)*
- Awad, J., Jung, C. & Sherzad, M. (2021). A Comparative Analysis of Urban Outdoor Open Spaces in Dubai's Low-rise Developments. *International Journal of Architectonic, Spatial, and Environmental Design (Scopus Q2)*
- Jung, C. & Awad, J. (2021) The improvement of indoor air quality in residential buildings in Dubai, UAE. *Buildings (Scopus Q1)*
- Jung, C. & Awad, J. (2021) Improving the IAQ for learning efficiency with indoor plants in university classrooms in Ajman, united Arab emirates. *Buildings (Scopus Q1)*
- Awad, J. & Jung, C. (2021) Evaluating the indoor air quality after the renovation at the Greens in Dubai, United Arab Emirates. *Buildings (Scopus Q1)*
- Arar, M. & Jung, C. (2021) Improving the indoor air quality in nursery buildings in the United Arab Emirates. *International Journal of Environmental Research and Public Health (Scopus Q2)*
- Jung, C., Awad, J. & Al Qassimi, N. (2021) Evaluation of Residents' Comfort in High-Rise Residential Buildings in Dubai, United Arab Emirates. *Frontiers in Built Environment (Scopus Q1)*

- Jung, C., Awad, J., Naglaa, A. & Muna, S. (2021). An Analysis of Indoor Environment Evaluation for The Springs Development in Dubai, UAE. *Open House International* (Scopus Q2).
- Jung, C., Awad, J., & Chohan, A. H. (2021). The Planning of Smart Elderly Housing in Dubai with IoT Technologies. *Open House International* (Scopus Q2).
- Jung, C., Al Qassimi, N., Arar M. & Awad, J. (2021) The Analysis of Indoor Air Pollutants From Finishing Material of New Apartments at Business Bay, Dubai. *Frontiers in Built Environment* (Scopus Q1)
- Arar, M., Jung, C., Awad, J. & Chohan, A. H. (2021). Analysis of smart home technology acceptance and preference for the elderly in Dubai, UAE. *Designs* (Scopus Q2).
- Mahmoud, N.S., El Samanoudy, G., & Jung, C. (2021). Simulating the natural lighting for physical and mental well-being in a residential building in Dubai, UAE. *Ain Shams Engineering Journal* (Scopus Q1)
- Jung, C. & Mahmoud, N.S. (2022). Extracting the Critical Points of Formaldehyde (HCHO) Emission Model in Hot Desert Climate. *Air, Soil and Water Research* (Scopus Q1)
- Kharrufa, S., Awad, J., Jung, C. & sherzad, M. (2022). Evaluating an active low-energy cooling upgrade to the building envelope in the hot climates of the Middle East. *International Journal of Low-Carbon Technologies* (Scopus Q1)
- Awad, J. & Jung, C. (2022) Extracting the Planning Elements for Sustainable Urban Regeneration in Dubai with AHP (Analytic Hierarchy Process). *Sustainable Cities and Society* (Scopus Q1)
- Al Qassimi, N. & Jung, C. (2022) Impact of Air-Purifying Plants on the Reduction of Volatile Organic Compounds in the Indoor Hot Desert Climate. *Frontiers in Built Environment* (Scopus Q1)
- Arar, M., Jung, C. & Al Qassimi, N. (2022) Investigating the Influence of the Building Material on the Indoor Air Quality in Apartments in Dubai. *Frontiers in Built Environment* (Scopus Q1)
- C. Jung, Mahmoud, N.S., El Samanoudy, G., & Al Qassimi, N. (2022). Evaluating the Color Preferences for Elderly Depression in the United Arab Emirates. *Buildings* (Scopus Q1)
- Jung, C., Al Qassimi, N., Arar M. & Awad, J. (2021) The Improvement of User Satisfaction for Two Urban Parks in Dubai, UAE: Bay Avenue Park and Al Ittihad Park. *Sustainability* (Scopus Q1)
- Jung, C. & Al Qassimi, N. (2021) Investigating the Emission of Hazardous Chemical Substances from Mashrabiya Used for Indoor Air Quality in Hot Desert Climate. *Sustainability* (Scopus Q1)
- Chohan, A. H., Awad, J. A., Jung, C. & Irfan, A. (2022). Development of Smart Condition Survey Application. *Ain Shams Engineering Journal* (Scopus Q1)
- Awad, J., Arar, M., Jung, C. & Boudiaf, B. (2022) The Comparative Analysis for the New Approach to Three Tourism-Oriented Heritage Districts in the United Arab Emirates. *Heritage* (Scopus Q1)
- Jung, C., Al Qassimi, N., Mahmoud, N.S. & Lee, S. (2022) Analyzing the Housing Consumer Preferences via Analytic Hierarchy Process (AHP) in Dubai, United Arab Emirates. *Behavioral Sciences* (Scopus Q1)
- Jung, C., Awad, R. & Awad, J. (2022). A study of optimal design process for complex-shaped skyscrapers' structural systems in United Arab Emirates. *Ain Shams Engineering Journal* (Scopus Q1)
- Jung, C., Al Qassimi, & El Samanoudy, G. (2022) Evaluating the adsorption performance of functional building material with HCHO remover. *Frontiers in Built Environment* (Scopus Q1)
- Jung, C., Al Qassimi, N., & Awad, J. (2021). The Analysis of the Japanese "Borrowed Landscape" Concept in Tadao Ando's Architecture. *International Journal of Advanced Research in Engineering Innovation*.
- Jung, C., & Al Qassimi, N. (2021). The Makerspace Planning for Startup Ecosystem in Dubai, United Arab Emirates. *International Journal of Advanced Research in Engineering Innovation*.
- Jung, C., & Al Qassimi, N. (2021). Analyzing Business Bay as a New Compact City Model in Dubai, United Arab Emirates. *Asian Journal of Research in Business and Management*.
- Sherzad, M., Arar, M., & Jung, C. (2022). Analyzing the Architectural Characteristics of Tadao Ando's Museum Projects. *International Journal of Advanced Research in Engineering Innovation*.

- Jung, C., & Al Qassimi, N. (2021). The Analysis of Sick Building Syndrome Symptoms with Environmental Stress Model for New Apartment in Dubai. *Asian Journal of Behavioural Sciences*.
- Jung, C., Al Qassimi, N., & Awad, J. (2021). The Analysis of the Media Façade in Dubai for Community Invigoration. *International Journal of Advanced Research in Engineering Innovation*.
- Jung, C., Sherzad, M., & Arar, M. (2021). The Implementation of the Concept of Atmosphere in Kazuyo Sejima's Architecture. *International Journal of Advanced Research in Engineering Innovation*.
- Jung, C., Arar, M., & Al Qassimi, N. (2021). An Analysis of Peter Zumthor's Architecture based on Regionalism. *International Journal of Advanced Research in Technology and Innovation*.
- Jung, C., Sherzad, M., & Arar, M. (2021). Re-Evaluating Luis Baragán's Emotional Architecture with the Concept of Synesthesia. *International Journal of Advanced Research in Engineering Innovation*.
- Jung, C., Sherzad, M., & Arar, M. (2021). The Analysis of the Spatial Configuration of Rem Koolhaas' Seattle Public Library. *International Journal of Advanced Research in Engineering Innovation*.
- Jung, C., Al Qassimi, N., & Awad, J. (2021). The Analysis of the Common Denominators of Tadao Ando's Museum Architecture. *Asian Journal of Arts, Culture and Tourism*.
- Jung, C., Al Qassimi, N., & Awad, J. (2021). The Analysis of Multi-sensory Environments for Children with Autism Spectrum Disorder in United Arab Emirates. *Asian Journal of Research in Education and Social Sciences*.
- Jung, C., Al Qassimi, N., & Awad, J. (2021). The Evolution of Dynamicity in Architecture of Frank Gehry. *International Journal of Advanced Research in Engineering Innovation*.
- Jung, C., & Arar, M. (2021). An Analysis of Steven Holl's Phenomenological Design Approach in Nelson-Atkins Museum of Art. *International Journal of Advanced Research in Technology and Innovation*.
- Jung, C., Arar, M., & Al Qassimi, N. (2021). An Analysis of Peter Zumthor's Architecture Based on Regionalism. *International Journal of Advanced Research in Engineering Innovation*.
- Arar, M., Jung, C. & Al Qassami, N. (2021). The Typology of Water Composition in Tadao Ando's Architecture. *Asian Journal of Arts, Culture and Tourism*.
- Jung, C., Awad, J. A., AL QASSIMI, N., & SALEH, B. (2020). URBAN PLANNING FOR THE ERA OF NEW NORMAL AFTER COVID-19. CONTEMPORARY ISSUES IN ARCHITECTURE: ECOLOGY, URBAN ENVIRONMENT, EXPERIENCE (pp. 180-193). Istanbul: DAKAM books.

## Courses Taught (Last five years)

- 2021-2022: Graduation II (F), Architectural Design V (F)  
Graduation I (F), Modern & Contemporary Architecture (F)
- 2020-2021: Graduation II (F), Photography (M), Photography (F)  
Graduation I (F), Modern & Contemporary Architecture (F), Selected Topics (F)
- 2019-2020: Graduation II (F), Research & Design Methods (M), Research & Design Methods (F)  
Graduation I (F), Selected Topics (M), Selected Topics (F)
- 2018-2019: Graduation II (F), Research & Design Methods (M), Research & Design Methods (F)  
Graduation I (F), Selected Topics (M), Selected Topics (F)
- 2017-2018: Graduation II (F), Research & Design Methods (M), Research & Design Methods (F)  
Graduation I (F), Selected Topics (M), Selected Topics (F)
- 2016-2017: Graduation II (F), Research & Design Methods (M), Research & Design Methods (F)  
Graduation I (M), Graduation I (F), Selected Topics (M), Selected Topics (F)

## Professional Experience

- Associate Professor, Ajman University (March, 2013 - Present), Ajman, United Arab Emirates.
- Associate Professor, American University in Dubai (September, 2011 - February, 2013), Dubai, United Arab Emirates.
- General Manager, GANSAM Architects & Partners, Middle East (April, 2010 - August, 2011), Abu Dhabi, United Arab Emirates.
- Design Principal, GANSAM Architects & Partners (September, 2007 - March, 2010), Seoul, Republic of Korea.
- Assistant Professor, Graduate School of Techno Design, Kookmin University (September, 2005 - August, 2007), Seoul, Republic of Korea.
- BK21 Professor, Graduate School of Techno Design, Kookmin University (March, 2004 - August, 2005), Seoul, Republic of Korea.
- Fulltime Lecturer, Sunmoon University (August, 2001 - February, 2004), Chonan, Republic of Korea.
- Chief Creative Officer, InTech Solutions, Inc. (November, 2000 - July, 2001), Cambridge, Massachusetts.
- Project Manager, Rafael Viñoly Architects, P.C. (April, 1999 - October, 2000), New York, New York.
- Project Architect, PFD (Department of Affordable Housing) in Boston Redevelopment Authority (November, 1996 - March, 1999), Boston, Massachusetts.

## Committees Work

- 2020-2021 – 2021-2022: Diversity, Equity, and Inclusion committee at Ajman University
- 2020-2021 – 2021-2022: Asian Scholar Network Editorial Board Member
- 2020-2021 – 2021-2022: Ad-Hoc Committee for QAA at Ajman University
- 2020-2021 – 2021-2022: Course File Committee (ARCH)
- 2020-2021 – 2021-2022: External and international relations (ARCH)
- 2020-2021: Strategic Board Member of College of Business Administration

## Honors and Awards

- 2012: Provost's Award for Creativity in Design from American University in Dubai, American University in Dubai.
- 2008: Gansam Architects & Partners Design Innovation Award, Gansam Architects & Partners.
- 1994: The First Prize for Graduation Exhibition [L.A. Cultural Center], Yonsei University.
- 2014: The Science Park for Ajman University of Science and Technology, Ajman University of Science and Technology.
- 2012: "18 Most Influential Artists in Middle-East, Uni Magazine.
- 1997: An Appreciation Plaque from U.S. Vice President, Al Gore, Vice President Office.
- 1999: HYUNDAI Scholarship [\$50,000], Hyundai Construction Co. Ltd.
- 1998: Harvard University Scholarship [\$10,000], Harvard University.
- 1987: Full Scholarship [The Highest Entrance Exam Score: 300/340], Yonsei University.

## Other Contributions and Achievements

- 2017-Current: Director of Ajman University Innovation Center
- 2020-Current: Director of King Sejong Institute at Ajman University
- 2020: Panelist for Reshaping Paradigms: Leading into the Future, Sharjah, United Arab Emirates (International)
- 2019: Panelist for AI Exhibition 2019 by Ajman X, Ajman, United Arab Emirates (National).
- 2020: Jury Member for Ajman X Startup Competition