

Dean T. Kashiwagi, PhD, PE, IFMA Fellow

Director, Performance Based Studies Research Group (PBSRG)
Retired Full Professor of Construction (Arizona State University)
August 12, 2020

Education:

- 1991 Ph.D. Industrial Engineering, Arizona State University
- 1983 M.S. Industrial Engineering, Arizona State University
- 1978 B.S. Civil Engineering, University of Hawaii

Academic Experience:

- 2005 – 2017 Full Professor, Arizona State University
- 1998 – 2005 Associate Professor, Arizona State University
- 1994 – 2017 Director, Performance Based Studies Research Group
- 1994 – 1998 Assistant Professor, Arizona State University
- 1992 - 1994 Visiting Assistant Professor, Arizona State University
- 1992 (6 Months) Assistant Professor, Air Force Institute of Technology

(See Attachment 12 for Full Details)

Visiting & Adjunct Professorships & External Examiner:

- 2012 – Present SKEMA Business School, Lille, France
- 2015 – Present Universiti Tunku Abdul Rahman, Kuala Lumpur, Malaysia
- 2008 – 2009 University of Botswana, Gaborone, South Africa
- 2005 – 2007 Natural Built Environment, Glasgow Caledonian University, Scotland, UK
- 2005 Department of Construction, Florida International University
- 2004 Department of Construction, Central Connecticut State University

Areas of Expertise:

- The Best Value Approach
- Project Management
- Risk Management
- Procurement
- Best Value Performance Information Procurement System (PIPS)
- Construction Industry Studies
- Information Measurement Theory (IMT)
- Information Systems
- Leadership & Business Management

Research Accomplishments

- Ran **2000+** project tests worth **\$6.6 Billion** in services with a **98%** client satisfaction
- Assisted in passing law to utilize best value in the State of Minnesota
- JOC largest case study involving **50+** organizations (Federal/State Gov't), **12 JOC Contractors**
- **\$1.3 Billion** Dutch Government infrastructure testing (largest effort)
- ASU implemented PIPS in services generating **\$100M** investment
- International efforts in Netherlands, Malaysia, Botswana, Finland, Norway, and Mexico
- US efforts with federal government agencies: US Army Medical Command, Air Force, Coast Guard, General Services Administration Region 6, Federal Aviation Administration, and Consumer Financial Protection Bureau

- US efforts with state and local agencies: Alaska, Georgia, Hawaii, Idaho, Oregon, New Mexico, Missouri, Oklahoma, Utah, Washington, and Wyoming
- Editor of *Journal for Advancement of Performance Information and Value* (CIB W117)
- Published **87 journal referred papers, 41 books, and 244 conference proceedings/publications** on best value research

Honors and Awards - (Total: 31):

- **2018 Program Committee Commendation** - International Council for Research and Innovation in Building and Construction
- **2018 Development of Classification System** - Ministry of Municipalities and Rural Affairs Kingdom of Saudi Arabia
- **2016 Academic Innovation Award**, Saint Louis School, Honolulu, HI – Course materials on the Information Measurement Theory (IMT).
- **2012 IFMA Fellow**, Distinguished Lifetime of Achievement, IFMA
- **2012 Dutch Sourcing Awards** – Best Overall Procurement Effort – Rijkswaterstaat
- **2008-2009 Fulbright Scholar Award**
- **2005 H. Bruce Russell Global Innovator’s Award**, CoreNet Global, Corporate Real Estate Network Finalist, Harvard University, August
- **1989 Air Force Meritorious Service Medal First Oak Leaf Cluster**

(See Attachment 01 for Full List)

Refereed Journal Papers (Total:87):

1. Kashiwagi, D., W117. (2019) W117 Performance Information in Construction: Summer 2019 Research Roadmap, *Journal for the Advancement of Performance Information and Value*, Vol. 11 (2), pp. 10-20.
2. Rivera, A. O., and Kashiwagi, D. T. (2019) The Best Value Approach in Facility Management: A Case on Cleaning-Related Services, *Journal for the Advancement of Performance Information and Value*, Vol. 11 (2), pp. 34-51.

(See Attachment 02 for Full List)

Books Published (Total: 41)

1. Kashiwagi, D. T. (2020). “2019 BVA Lessons Learned” Kashiwagi Solution Model Inc., Mesa, AZ, ISBN: 978-0-9985836-7-9
2. Kashiwagi, D. T. (2019). “The Information Measurement Theory Story” Kashiwagi Solution Model Inc., Mesa, AZ, ISBN: 978-0-9985836-5-5

(See Attachment 03 for Full List)

Refereed Conference Publications (Total: 217) & Non-Refereed (Total: 27)

1. Kashiwagi, I., Kashiwagi, D., and Alhammadi, Y. (2017). “The Introduction of the Best Value Approach in Engineering Services.” 53rd Annual International Conference of the Associated Schools of Construction (ASC), University of Washington and Washington State University, Seattle, WA, April 5 – 8, 2017, pp. 777 – 786.
2. Kashiwagi, D. (2018). “How FMs can Change the Project Management Paradigm in Organizations.” IFMA World Workplace 2018, Charlotte, NC, USA, October 3-5, 2018.

(See Attachment 04 & 05 for Full List)

Conference Presentations (Total: 128)

1. "FM & FM Associate in the Age of Information and Automation." Atlanta Workplace 2020, Atlanta, GA, USA. February 28, 2020 (12:30 -1:45PM).
2. "The Future of Procurement – Part 2; The Purchasing Professional of the Future in the Age of Automation and Information Systems." NIGP Colorado Chapter Winter Conference, Fort Collins, Colorado, USA. December 5, 2019 (10:30 -11:30AM and 2:00 - 5:00PM).

(See Attachment 09 for Full List)

Invited Talks National, International and Local Meetings (Total: 213)

1. "Global and Digital PM Masters Course: The Best Value Technology." SKEMA Business School. Lille, France. October 29-31, 2019. (8:00 AM - 4:00 PM).
2. "Procurement Professionals in the Age of Information and Automation." Contractors Association of Kaua'i. Lihu'e, HI, USA. February 3, 2020 (11:30 - 1:30PM).

(See Attachment 07 & 08 for Full List)

Sponsored Research Awards/Projects (1993 to Present)

- Total Grants: **360**
- Total Amount: **\$17,786,638** (See Attachment 10 for Full List)
- **63** Licenses thru Arizona Technology Enterprises – Most at Arizona State University (See Attachment 06 for Full List)
- Project Tests: **2,000** worth **6.6B** in services with client satisfaction of **98%**
- Worked in **32** US States and **7** Countries

Courses Taught (1992 – Present)

- **249** Total Classes Taught
- **154** Total Undergraduate Classes Taught
- **95** Total Graduate Classes Taught
- **3,941** Total Number of Students
- **4.75/5.00** Overall Instructor Average
- **4.67/5.00** Overall Course Average

(See Attachment 11 for Details)

New Courses Developed

1. 2011 Spring, HON 394: Deductive Logic Leadership and Management Techniques
Class Summary: Using Information Measurement Theory students will explore issues affecting our lives and work in various industries.
2. 2009 Spring, CON 294: Deductive Logic
Class Summary: Students will be able to investigate ways to analyze reality and problems occurring in construction and non-construction industries.

Student Advising

- PhD Students Graduated: **8**
- Total Master Thesis Awarded & Completed: **56** (All M.S.)
- Served as Chair: **40 out 56**
- Undergraduate Honor Student Thesis completed: **58**
- Graduate Mentor: **1** (non-thesis)

(See Attachment 11 for Details)