

## **Dr. Seong Dae Kim**

### **Education**

- Ph.D., Industrial Engineering, Texas A&M University, 2009
- M.S., Industrial Engineering, SungKyunKwan University, 2002
- M.S., Industrial Engineering, SungKyunKwan University, 1999

### **Academic experience**

- Department of Engineering management & Technology, University of Tennessee at Chattanooga, Chattanooga, TN, Associate Professor, Fall 2016 – Present.
- Department of Engineering, Science, and Project Management (ESPM), University of Alaska Anchorage, Anchorage, AK, Program Chair of Engineering & Science Management (ESM), June 2015 – June 2018.
- Department of Engineering, Science, and Project Management (ESPM), University of Alaska Anchorage, Anchorage, AK, Associate Professor, July 2015 – June 2018.
- Department of Engineering, Science, and Project Management (ESPM), University of Alaska Anchorage, Anchorage, AK, Assistant Professor, December 2009 – June 2015.

### **Certification or professional registration**

- Associate Certified Analytics Professional (aCAP), June 2017 - present.
- Lean Six Sigma Green Belt, January 2016 - present.
- Project Management Professional (PMP), December 2010 - present.

### **Current membership in professional organizations**

- American Society for Engineering Management (ASEM), 2016 - present.
- Project Management Institute (PMI), 2009 - present.
- Institute for Operations Research and Management Science (INFORMS), 2006 - present.

### **Honors and awards**

- Fall 2018 Faculty Grant, UTC. \$1,500 for presenting at INFORMS Conference.
- 2017 UNAC Travel Award, UAA, \$974.20 for travel expenses and registration expenses for travel on Nov. 13-16, 2016 to Nashville, Tennessee for INFORMS 2016 Conference.
- 2015 UNAC Release time Faculty Development Award I, UAA. \$900 for salary and benefits between May 10th and May 16th, 2015 to prepare for workshop on TRIZ for BPA and Technology Innovation Office, Portland, OR.
- Research Travel Grant, Round 1, FY16, UAA, \$615.00 for travel on August 2-6, 2015 to Portland, OR for PICMET conference and special workshop on TRIZ for BPA.

### **Service activities (within and outside the institution)**

- Conference paper reviewer, IEEE International Conference on Technology Management, Operations and Decisions (IEEE ICTMOD) to be held November 21-23, 2018. September 2018.
- Journal paper reviewer, IET Software, April 2018.
- Journal paper reviewer, International Journal of Environmental Research and Public

- Health, April 2018.
- Journal paper reviewer, *Sustainability*, April 2018.
  - Chair, local organizing committee of 11th International Green Energy Conference (IGEC 2016), Anchorage, AK, May 8-11, 2016. Served September 2015 – May 2016.
  - Chair, Engineering, Science, and Project Management (ESPM) Bylaws project committee, UAA, Spring 2013.
  - Member, College of Engineering Peer Review Committee, UAA, Fall 2015 – Spring 2018.
  - Member, College of Engineering Curriculum Committee, UAA, Fall 2011 – Spring 2018.

**Briefly list the most important publications and presentations from the past five years**

- “Forecasting new features and market adoption of wearable devices using TRIZ and growth curves: Case of Fitness Tracking Products”, Sengupta S., Kim J., and Kim S.D., *International Journal of Innovation and Technology Management*, vol. 15, no. 1, 2018.
- “Experienced Veteran or Promising Rookie: The Effects of MLB Managers’ Salary and Experience on Team Success”, Kim J.C. and Kim S.D., New England Symposium on Statistics in Sports (NESSIS), Cambridge, Massachusetts, September 23, 2017.
- “Understanding hidden risks from disasters: Cases of hurricane Katrina and Fukushima nuclear meltdown”, Kim S.D., ASCE’s *Journal of Management in Engineering*, DOI: [http://dx.doi.org/10.1061/\(ASCE\)ME.1943-5479.0000539](http://dx.doi.org/10.1061/(ASCE)ME.1943-5479.0000539), published online 4/13/2017.
- “Characterization of unknown unknowns using separation principles in case study on Deepwater Horizon oil spill”, Kim S.D., *Journal of Risk Research*, Vol. 20, No. 1, 2017, pp. 151-168, DOI: 10.1080/13669877.2014.983949.
- “Survey of road design and maintenance in cold region metropolitan areas”, Kim S.D. and Kim C.M., *Proceedings of the 11<sup>th</sup> International Symposium on Cold Regions Development (ISCORD 2016)*, Incheon, Republic of Korea, May 18-20, 2016.
- “Analysis of World Baseball Softball Confederation Premier 12 Schedule”, Kim S.D. and Kim J.C., INFORMS Annual Meeting 2016, Nashville, TN, November 16, 2016.
- “Decision analysis on wind energy technologies in Alaska”, Kim S.D., *Proceedings of the 11<sup>th</sup> International Green Energy Conference*, Anchorage, Alaska, May 8-11, 2016.
- Book Review: “Cox, Jr., Louis Anthony. 2012. *Improving Risk Analysis*. Springer. 412 pp.”, Kim S.D., *Interfaces*, Vol. 44, Issue 6, 2014.
- “Reexamining the efficiency of the Major League Baseball over-under betting market”, Bickel J.E. and Kim S.D., *Applied Financial Economics*, Vol. 24, No. 18, 2014, pp. 1229-1234, DOI: 10.1080/09603107.2014.925052.
- “Improved mean and variance estimating formulas for PERT analyses”, Kim S.D., Hammond R.K., and Bickel J.E., *IEEE Transactions on Engineering Management*, Vol. 61, No. 2, 2014.

**Briefly list the most recent professional development activities**

- Obtained Quality Matters credential
- Attended all the new faculty trainings