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EDUCATION

- Ph.D., Operations Management, College of Business, University of Cincinnati.
- M.S. in Management Science, School of Economics and Management, Tsinghua University.
- B.S. in Management Information System, School of Economics and Management, Tsinghua University.

ACADEMIC EXPERIENCE

- Associate Professor, University of St. Thomas, 09/2017 – Present.
- Assistant Professor, University of St. Thomas, 09/2011 – 08/2017.
- Instructor, University of Cincinnati, 09/2008 – 05/2011

PUBLICATIONS (Peer Reviewed)

- Kumar, S., Yang M., Goldschmidt K.H., (2018), Will aging voting machines cause more voters to experience long waits?, *International Journal of Production Economics*, 198, 1-10.
- Kumar, S., Yang, M., & Bekx, P. (2017). Why many diabetic patients do not take the A1C test as recommended? *IISE Transactions on Healthcare Systems Engineering*, 7(3), 145-154.
- Kumar, S., Yang, M. (2016), Analyzing patient choices for routine procedures in U.S. versus overseas before and after Affordable Care Act. *Health Systems*, 5, pp. 21-28.
- Yang, M, Wang X., & Xu N. (2015), A Robust Voting Machine Allocation Model to Reduce Extreme Waiting, *Omega The International Journal of Management Science*, 57, pp. 230-237.
- Yang, M., Fry, M. J., & Scurlock, C. (2015). The ICU will see you now: Efficient-equitable admission control policies for a surgical ICU with batch arrivals. *IIE Transactions*, 47(6), pp. 586-599
- Kumar, S., Yang, M., & Strike, D. (2015). Assessing effect of global inventory planning with enterprise-wide information for a large manufacturer. *Journal of Manufacturing Systems, 34*, pp. 34-42.
- Wang, X., Yang, M., & Fry, M. J. (2015). Efficiency and equity tradeoffs in voting machine allocation problems. *Journal of Operational Research Society*, 66, pp. 1363-1369.
- Yang, M., Fry, M. J., Kelton, W. D., & Allen, T. T. (2014). Improving voting systems through service operations management. *Production and Operations Management, 23*(7), pp. 1083-1097.
- Yang, M., Allen, T. T., Fry, M. J., & Kelton, W. D. (2013). The call for equity: Simulation-optimization models to minimize the range of waiting times. *IIE Transactions, 45*(7), pp. 781-795.
- Yang, M., Fry, M. J., Raikhelkar, J., Chin, C., Anyanwu, A., Brand, J., & Scurlock, C. (2013). A model to create an efficient and equitable admission policy for patients arriving to the cardiothoracic intensive care unit. *Critical Care Medicine, 41*(2), pp. 414-422.
- Yang, M., Fry, M. J., & Kelton, W. D. (2009). Are all voting queues created equal? *Proceedings of the 2009 Winter Simulation Conference*, pp. 3140-3149.
- Sun J. and Yang M. (2008), A VAR Control Scheme for multivariate autocorrelated observations, *Application of Statistics and Management*, 27(2), pp. 298-303. (in Chinese)
- Yang M. and Sun J. (2007), Residual-based T^2 control chart for monitoring multivariate autocorrelated process, with J. Sun, *Journal of Tsinghua University (Sci & Tech)*, 47(12), pp. 2184-2187. (in Chinese)
- Residual-based T^2 control chart for bivariate autocorrelated processes, with J. Sun, *Journal of Tsinghua University (Sci & Tech)*, 2006, 46(3), pp. 403-406. (in Chinese)

BOOKS AND CHAPTERS

- Fry, M. J., & Yang, M. (2013). Using OR to overcome challenges in implementing new voting technologies. *Wiley Encyclopedia of Operations Research and Management Science*, pp. 1-8.
- Jing, S., Wang, S., & Yang, M. (2013). *Process capability analyses.* Tsinghua University Press, Beijing, China (in Chinese)
- Liu J., Chen X., & Yang, M. (2005), *Advanced Cases for Excel 2003/XP*, Jilin Electron Press, Changchun, China (in Chinese).
- Liu J., Yang, M., & Chen X. (2005), *Tips for Excel 2003/XP*, Yanbian Education Press, Yanji, China (in Chinese)

PRESENTATIONS

- M. Yang, M. Fry, C. Scurlock, C. Becker, Improving Operational Efficiency for Tele-ICUs, POMS - Production and Operations Management Society, Houston. May 2018.
- Kumar S., Yang, M., "Why do many diabetic patients not take the A1C test as recommended?," POMS - Production and Operations Management Society, Houston. May 2018
- Yang, M., Kumar, S. and Goldschmidt., " Will Aging Voting Machines Cause Long Waiting Lines," INFORMS - Institute for Operations Research and Management Sciences, Nashville, Houston. November 2017.
- Wang, X., Yang, M., and Fry, M., "A Scenario Robust Optimization Model to Stockpile Strategic Relief Supplies for Natural Disasters," POMS Annual Meeting, Seattle, May 2017.
- Incentive Scheme For Diabetes Patients To Take A1c Test Quarterly, INFORMS Annual Meeting, Nashville, Tennessee. November 2016, with Kumar, S. and Bekx, P.
- A Robust Model to Preposition Relief Supplies, POMS Annual Meeting, Orlando, May 2016, with X. Wang
- Multiple Resource Type Straddling a Standard with Applications in Election Resource Allocation, INFORMS Annual Meeting, Philadelphia, Nov 2015, with T.T. Allen
- Convergent Algorithms for Satisfying Standards with Election System, INFORMS Annual Meeting, San Francisco, Nov 2014, with T.T. Allen
- Feasible Allocation thru Iterative Relaxations with Election Systems, INFORMS Annual Meeting, San Francisco, Nov 2014, with T.T. Allen
- Managing Tele-ICUs: A Service Factory for the Critically Ill, POMS Annual Meeting 2014, Atlanta, May 2014, with M. Fry and C. Scurlock
- Modeling Business Value of Global Planning at 3M Company, INFORMS Annual Meeting 2013, Minneapolis, Oct 2013, with S. Kumar and D. Strike
- The ICU Will See You Now: Efficient-Equitable Admission Policies, INFORMS Annual Meeting 2013, Minneapolis, Oct 2013, with M. Fry and C. Scurlock
- Operations Improvement for Tele-ICUs, POMS 24th Annual Conference, 2013, Denver, Colorado, 5/3013, with M. Fry and C. Scurlock
- Building Flexibility in US Healthcare Delivery through Medical Tourism, INFORMS Annual Meeting 2012, Phoenix, AZ, 10/2012, with S. Kumar
- Robust Voting Machine Allocations, INFORMS Annual Meeting 2012, Phoenix, AZ, 10/2012, with X. Wang and N. Xu
- The ICU Will See You Now: Efficient–Equitable Admission Control Policies for a Surgical ICU with Batch Arrival, 23rd Annual POM Conference, Chicago, IL, April 2012
- Efficient-Equitable Allocation Policies for the Voting Systems, 23rd Annual POM Conference, Chicago, IL, April 2012.
- Who is the Next Patient in ICU? INFORMS 2011 Annual Meeting at Charlotte, NC, November 2011, with Yang, M. Fry, M. Scurlock, C.
- Using OR to Improve Voting Operations, INFORMS 2011 Annual Meeting at Charlotte, NC, November 2011

PRESS COVERAGE

- Experts predict long lines for some on Election Day in Maricopa County, R.L. Sanders, *The Republic | azcentral.com*, October 2016.
- Featured in the article Improving the Efficiency of ICU Admission Decisions by Cooke CR in *Critical Care Medicine*, 2013
- Are all voters allowed equal access given ballot length diversity? *IE Industrial Engineer*, Jun 2013.
- Voting-machine-allocation method could reduce voters' wait time by 36 percent, *Science News Daily*, 2010
- Featured in *Portfolio*, the annual alumni magazine of College of Business at University of Cincinnati, 2010

HONORS & AWARDS

- The Susan E. Heckler Research Excellence Award, University of St. Thomas, 2015
- OCB Summer Research Grant, University of St. Thomas, 2012-2016
- 2nd place, INFORMS Public Sector OR Best Paper Competition, 2011

SERVICES & AFFILIATIONS

- Expert witness in recent cases related to voting issues.
- VP of Communications, INFORMS Public Sector OR, 2018
- Chair, 2016 INFORMS Public Sector OR Best Paper Competition, 2016
- Reviewers for *MSOM*, *Decision Sciences Journal*, *OMEGA*, *Journal of Manufacturing Systems*, *Information Systems and Operational Research*, and *International Journal of Production Economics*, *Simulation Modelling Practice and Theory*, *Information Systems and Operational Research*, *etc.*
- The Institute for Operations Research and the Management Sciences (INFORMS)
- Production and Operations Management Society (POMS)
- Election Verification Network (EVN)