S. Karti Puranam, Ph.D.

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Education

2005 – 2010 🔖 **Ph.D., Rutgers University** Supply Chain Management.
Thesis title: *Stochastic analysis of bidding in sequential auctions and related problems.*

2000 – 2005 🔖 **B.Tech & M. Tech, IIT-Bombay** Mechanical Engineering (Integrated Manufacturing).
Thesis title: *Analysis and applications of stochastic models for manufacturing systems.*

Employment History

2018 – ···· 🔖 **Assistant Professor,** Rutgers School of Business- Camden, NJ.

2012 – 2018 🔖 **Assistant & Associate Professor.** La Salle University, Philadelphia, PA

2010 – 2012 🔖 **Assistant Professor.** Ithaca College, Ithaca, NY

Research Publications

Journal Articles

1. Lucas, M. T., Novak, D. C., Puranam, K., & Fung, M. (2018). On the challenges of blood inventory management. *Archive of Blood Transfusion and Disorders.*

2. Dalman, M. D., & Puranam, K. (2017). Consumer evaluation of ingredient branding strategy. *Management Research Review.*

3. Puranam, K., Novak, D. C., Lucas, M. T., & Fung, M. (2017). Managing blood inventory with multiple independent sources of supply. *European Journal of Operational Research*, *259*(2), 500–511.

4. Puranam, K., Novak, D. C., & Lucas, M. (2015). Extending the newsvendor model to account for uncontrolled inventory transfers. *Annals of Operations Research*, 1–14.

5. Puranam, K. S., & Katehakis, M. N. (2014). On optimal bidding and inventory control in sequential procurement auctions: The multi period case. *Annals of Operations Research*, *217*(1), 447–462.

6. Puranam, K., & Katehakis, M. (2014). On optimising taboo criteria in markov decision processes. *International Journal of Applied Decision Sciences*, *7*(1), 33–43.

7. Katehakis, M. N., & Puranam, K. S. (2012a). On bidding for a fixed number of items in a sequence of auctions. *European Journal of Operational Research*, *222*(1), 76–84.

8. Katehakis, M. N., & Puranam, K. S. (2012b). On optimal bidding in sequential procurement auctions. *Operations Research Letters*, *40*(4), 244–249.

Books and Chapters

1. Tavana, M., Szabat, K., & Puranam, K. (2016). *Organizational productivity and performance measurements using predictive modeling and analytics.* IGI Global.

2. Katehakis, M. N., & Puranam, K. S. (2015). On optimal bidding in concurrent auctions. In *Mathematical methods and systems in science and engineering.*

3 Tavana, M., & Puranam, K. (2014). *Handbook of research on organizational transformations through big data analytics*. IGI Global.

4 Katehakis, M. N., & Puranam, K. S. (2006). A note on the optimal replacement problem. In *The transactions of wseas conference on applied mathematics*.

Articles under review and in Preparation

1 Lucas, M. T., Novak, D. C., & Puranam, K. (2020). *Bridging the gap between theory and practice: A replenishment heuristic for blood with redistribution*, International Journal of Production Economics (Under Revision).

2 Puranam, K., & Iacocca, K. (2020). *Managing inventory in customizable multi-echelon assembly systems*, (Under Revision).

3 Puranam, K., & Katehakis, M. N. (2020). *Evaluation of bidding strategies in sequential auctions*, Operations Research Letters(Under Preparation).

4 Puranam, K., Katehakis, M. N., & Macharenhas, B. (2020). *Perceptions of algorithmic bias – the case of medical student matching market*, (Under Preparation).

Courses Taught

Rutgers- Camden	Introduction to Business Analytics (MBA) (Fully-Online and Face-to-Face)
	Supply Chain Analytics (MBA and Undergrad) (Fully-Online and Face-to-Face)
	Optimization and Spreadhsheet Modeling (Undergrad) (Face-to-Face)
La Salle University	Introduction to Business Analytics (MBA) (Fully-Online and Hybrid)
	Sports Analytics (Undergrad)
	Supply Chain Analytics (MBA and Undergrad) (Hybrid and Face-to-Face)
	Data Mining (MBA and Undergrad) (Hybrid and Face-to-Face)
	Operations Management (MBA and Undergrad) (Hybrid and Face-to-Face)
	Project management (MBA) (Face-to-Face)
	Business Statistics (MBA and Undergrad) (Face-to-Face)
Ithaca College	Operations Management (Undergrad) (Face-to-Face)
	Decision Analysis (MBA) (Face-to-Face)
	Operations Management (MBA) (Face-to-Face)
Rutgers- Newark	Production and Operations Management (Undergrad) (Face-to-Face)
	Business Research Methods (Undergrad) (Face-to-Face)
	Management Information Systems (Undergrad) (Face-to-Face)

Awards

2016-2018	Lindback emerging scholar award, La Salle University
2013-2014	Summer fellowship, La Salle University
2011-2012	Summer fellowship, Ithaca College
2006-2008	Academic fellowship, Rutgers University
2004-2005	Dual degree scholarship, Indian Institute of Technology, Bombay

Miscellaneous Skills and Experience

Professional Memberships	Member of Beta Gamma Sigma Honor Society.
	Member of INFORMS, POMS, DSI and SIAM.
Coding	Python, R, SAS, SPSS, Tableau, JMP, C++, Java, Matlab, AMPL