

Center for Supply Networks and Analytics

The Center for Supply Networks and Analytics is a newly formed center of excellence dedicated to research and education in the fields of supply chain management and business analytics. The mission of the Center is to be a leading source of knowledge creation and dissemination in supply chain and analytics.

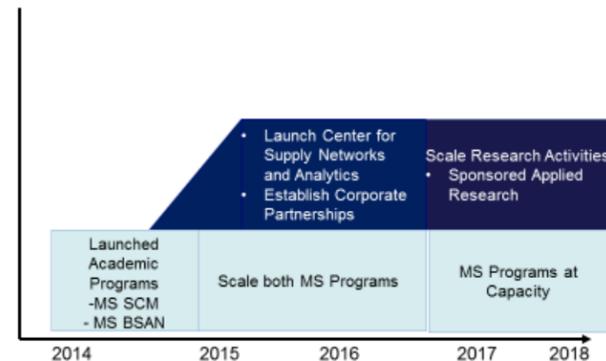
The Center’s research activities and agenda seek to enhance the body of knowledge related to all major facets of supply chain management and business analytics. These activities culminate in insights targeted at both academic and managerial audiences. The Center will become a premier destination for expertise, in particular for the technology-intensive and advanced manufacturing firms that are central to the ambitions of Rensselaer.



Timeline

Vision

- Be a World Class Center of Excellence for
 - Supply Chain and Business Analytics thought leadership
 - Supply Chain and Business Analytics expertise for high-tech and advanced manufacturing firms
 - World class graduate programs in SCM & BA
 - Cutting edge research in niche SCM and BA topics aligned with global challenges



CSNA Activities in 2015-16

- 10 capstone projects
- *Leaders in Supply Chain and Analytics* speaker series
 - 7 industry speakers
- Research talks
 - 4 academic speakers
- *Frontiers in Supply Chain and Analytics* symposium
- Student Focused Events
 - Business Analytics case competition
 - APICS case competition
 - INFORMS analytics colloquium
 - Manhattan college analytics competition
 - Watson analytics workshop
 - APICS student chapter

Contact the Center for Supply Networks and Analytics at CSNA@rpi.edu or (518) 276-2035.

Or visit us at:

<https://lallyschool.rpi.edu/centers-excellence/center-supply-networks-and-analytics>

presents

“Frontiers in Supply Chain and Analytics Symposium”

Wednesday, April 20, 2016

**Center for Biotechnology and Interdisciplinary Studies Auditorium
Rensselaer Polytechnic Institute
Troy, New York**

Agenda

8:00 - 9:00 a.m.	Breakfast
9:00 - 9:15 a.m.	Welcome
9:15 - 10:00 a.m.	Keynote Address - Christine Furstoss '86, '88, Vice President and Technical Director, GE Global Research
10:00 - 10:30 a.m.	Coffee Break
10:30 a.m. - Noon	Agility through Digitization and Analytics
Speaker	Gerald Jackson '97, Supply Chain IT Director, Google
Moderator	T. Ravichandran, Associate Dean of Research, Irene and Robert '55 Bozzone Distinguished Professor, Rensselaer Lally School of Management
Panelists	<ul style="list-style-type: none"> Jay Watt, Senior Leader Shipping, Amazon Jay Jayaraman, Partner, OPS Rules Daryl Glass, Senior Director, Supply Chain Transformation, Target Corporation
Noon - 1:30 p.m.	Lunch and Networking
1:30 - 1:45 p.m.	Rensselaer Strategic Initiatives in Supply Chain Management and Analytics - Professor James A. Hendler, Tetherless World Professor of Computer, Web and Cognitive Sciences and Director, Rensselaer Institute for Data Exploration and Applications (IDEA)
1:45 - 3:15 p.m.	Talent Management: Supply Chain and Analytics
Speaker	Tom O'Donnell, Human Resources Executive, GE Power & Water - Renewable Energy
Moderator	Theresa Kozikowski '85, '86, President, Rensselaer Alumni Association
Panelists	<ul style="list-style-type: none"> Peter Bolstorff, EVP, APICS Supply Chain Council Dr. Thomas White, Director, Data Science and Statistics, CDPHP
3:15 - 3:30 p.m.	Coffee Break and Networking
3:30 - 5:00 p.m.	Supply Chain Resilience and Risk Management
Speaker	Tim Kachur '02, '03, Senior Manager, OPS Rules
Moderator	Dan Ostrosky '90, Vice President of Supply Chain Management, Triumph Group
Panelists	<ul style="list-style-type: none"> Todd Snyder '89, '98, Vice President, Customer Healthcare Solutions, UPS Kevin Zweier '96, Vice President, Transportation Practice, Chainalytics
5:00 - 6:30 p.m.	Student Posters and Reception



James Watt

Senior Leader Shipping, Amazon

James Watt is a supply chain and operations executive with more than a decade of experience in global eCommerce, life science, retail, industrial and government verticals. He specializes in business strategy and launching new ventures, building, and developing business/financial modeling, optimization and product development/management. His undergraduate degree is from Massachusetts

Institute of Technology and his MBA is from Babson College focused on entrepreneurship. He has been involved in several startups including Optiant (acquired by Logility) and Kiva Systems (acquired by Amazon) as well as operations consulting for PRTM/PwC and Ops Rules. He currently runs Amazon's Marketplace Shipping Services (MSS) organization.



Dr. Thomas White

Director, Data Science and Statistics, CDPHP

Dr. Thomas White is director, data science and statistics at CDPHP. The mission at CDPHP includes operating as a model for the delivery, financing, and administration of health care services. Tom's team is focused on further accelerating CDPHP's ability to use advanced analytic, data mining, and informatics strategies to optimize overall quality of care, cost-effectiveness, and member satisfaction. They are actively looking at innovative strategies to further leapfrog ahead of their competition and maximize the value CDPHP delivers to its members and providers. Dr. White is leading and growing

a team of data scientists, statisticians, epidemiologists, health services researchers, econometricians, and data visualization experts to drive those initiatives. He earned his M.D. from Cornell University, and a master's in medical informatics from Columbia University.



Kevin M. Zweier '96

Vice President, Transportation Practice, Chainalytics

Kevin Zweier is vice president of the transportation practice at Chainalytics where he focuses on transportation procurement, business intelligence, and the ongoing tasks of compliance and value assurance. At Chainalytics, Kevin has worked with such clients as Anheuser-Busch InBev, The Clorox Company, PepsiCo, and Procter & Gamble.

Prior to joining Chainalytics, Kevin led the North American Logistics Practice at ICG Commerce (now Accenture Operations Procurement BPO). Responsible for the delivery of strategic sourcing and continuous improvement projects, Kevin helped clients generate realized savings in multiple logistics categories, including: Truckload, LTL, Ocean, Parcel, Freight Forwarding, and Warehousing. Kevin has also led numerous projects for leading retail and manufacturing clients in his roles at INSIGHT and Manhattan Associates. At Manhattan Associates, he managed the implementation of resource allocation systems and led some of the first industry applications of optimization-based bidding in the transportation sector.

Kevin holds a Bachelor of Science in mathematics with an operations research concentration from Rensselaer Polytechnic Institute and a Master of Business Administration from Drexel University.

**Dan Ostrosky '90**

Vice President of Supply Chain Management, Triumph Group

Dan Ostrosky is the vice president of supply chain management for the Triumph Group, a \$4 billion global designer and manufacturer of aerospace structures, systems, and components. He has held a variety of management and engineering roles over the past 25 years. A majority of his career has focused on supply chain operations, managing and developing suppliers and procurement organizations in over 20 countries across Europe, Asia, and North America for the telecommunications, consumer electronics, and aerospace industries.

Previously, as vice president of supply chain management for the Aircraft Systems Segment of United Technologies Aerospace, he successfully led the integration of supply chain operations for the \$16 billion acquisition of Goodrich Corporation. Prior to this acquisition, Ostrosky led the supply chain organization for Goodrich, as vice president and chief supply chain officer, transforming it from a largely tactical, purchasing-based organization to a more optimized, strategically focused global function. Before joining Goodrich, Ostrosky spent 16 years in engineering and supply chain management roles of increasing responsibility at Raytheon Corporation, Flextronics International, Compaq Computer, and Elbit Systems. He earned a Bachelor of Science degree in electrical engineering from Rensselaer.

**Professor T. Ravichandran**

Associate Dean of Research, Irene and Robert '55 Bozzone Distinguished Professor, Rensselaer Lally School of Management

Professor T. Ravichandran is the associate dean for research and the Irene and Robert '55 Bozzone Distinguished Professor in the Lally School of Management at Rensselaer Polytechnic Institute. His research expertise includes: strategic implications of information technology, supply chain management, business-to-business electronic markets, innovation diffusion, and assimilation and organizational renewal/growth through innovation. He has published more than one hundred research papers in leading academic journals and conference proceedings. He currently serves as a senior editor of *MIS Quarterly* and as a department editor for *IEEE Transactions on Engineering Management*. He

recently completed a four-year term as an associate editor of *MIS Quarterly* and a three-year term as an associate editor of *Information Systems Research*.

Dr. Ravichandran works closely with several large firms on IT strategy, supply chain management, and innovation management. He has had extensive business experience as a consultant to the Reliance Group, Bombay; as the assistant director of the National Productivity Council, India; and as a production manager in Flakt AB (now Asea Brown Boveri). He has also been a successful entrepreneur of an IT services firm. Dr. Ravichandran has a Ph.D. in business administration with a focus on information systems, a postgraduate diploma in industrial and systems engineering, and a Bachelor of Engineering in production engineering.

**Todd Snyder '89, '98**

Vice President, UPS, Healthcare Customer Solutions

Todd Snyder has served as vice president of the UPS Customer Solutions group since 2011. Todd's global group works in a consultative approach to develop and implement customized and configurable solutions that address the specific needs of UPS's healthcare customers. These solutions provide clients with a sustainable competitive advantage by not only focusing on cost reduction, but also addressing accelerated cycle times, improved cash flow, and customer service as value. Todd and his team are instrumental in defining and expanding UPS's healthcare portfolio around the globe. Todd also has

responsibilities for the Humanitarian sector at UPS where his team works closely with various government and private agencies to facilitate the movement of goods to critical markets.

Todd has spent a total of 28 years at UPS in various leadership roles in solutions, operations, industrial engineering, sales and the supply chain business unit. Todd also spent several years in global supply chain management consulting working with middle market and Fortune 100 companies while at Ernst & Young and PriceWaterhouse Coopers. He holds a master's degree in business administration from Syracuse University, and earned his B.S. in industrial engineering and a M.S. in management of information systems from Rensselaer Polytechnic Institute.

**Peter Bolstorff**

Executive Vice President, APICS Supply Chain Council

Peter Bolstorff leads the division that supports APICS for business value proposition focusing on corporate clients, affiliates, and sponsors. He is the respected author of "Supply Chain Excellence: A Handbook for Dramatic Improvement Using the SCOR Model" and brings more than 20 years of experience in supply chain and operations management to the position.

Prior to joining APICS, Bolstorff was the founding principal of SCE Limited, a consulting firm focused on providing supply chain program management and SCOR-based education to supply chain executives and their global teams. Bolstorff also held supply chain and operations management leadership roles at Pragmatek Consulting Group, Imation and 3M. He served the Supply Chain Council in a number of leadership volunteer roles including two terms as a director on the board. He received his master's degree in industrial education from the University of Minnesota and his bachelor's degree in mathematics, education, and psychology from St. Olaf College. He holds a CSCP Certification, SCOR-P Endorsement, Six Sigma certification, and is a SCOR-certified instructor.

**Christine Furstoss '86, '88**

Vice President and Technical Director, Manufacturing and Materials, GE Global Research

Christine Furstoss is the vice president and technical director for manufacturing and materials at General Electric (GE), based at GE's Global Research Center. Christine works across GE and with strategic partners to develop and implement new process and material developments for products, manufacturing, and services. In addition to working with the product teams across GE, Christine leads 600 researchers at Global Research; her team is located across the U.S., Europe, and Asia.

Christine has been with GE for 27 years, beginning her career at GE Power in the engineering organization. In 2014, Christine was selected to serve on the National Advisory Council for Innovation and Entrepreneurship, an independent entity within the U.S. Commerce Department's Economic Development Administration. She is also a member of the Strategic Advisory Council for the Mechanical, Aerospace, and Nuclear Engineering department at Rensselaer Polytechnic Institute, and actively promotes STEM education and activities in multiple school systems. Christine was educated at Rensselaer Polytechnic Institute and holds Bachelor of Science and Master of Science degrees in materials science and engineering.

**Daryl Glass**

Senior Director, Supply Chain Transformation, Target Corporation

Daryl Glass is senior director, supply chain transformation for Target Corporation. His responsibilities include enhancing the fundamental aspects of the supply chain and modernizing the supply chain to fit guests' future expectations.

Daryl joined Target in 2002 as an operations manager in Target's Chambersburg, Pennsylvania, distribution center. During his tenure, Daryl has held key leadership positions throughout the supply chain, including transportation, food operations, and logistics. In 2013, Daryl was promoted to director of distribution and served as the general manager of the Wilton, New York, distribution center. He moved to his current position in 2015.

In addition to his Target responsibilities, Daryl serves on the board of directors of the Saratoga County Chamber of Commerce. Daryl holds a bachelor's degree in marketing from the University of Arkansas.



Professor James A. Hendler

Tetherless World Professor of Computer, Web and Cognitive Sciences and Director, Rensselaer Institute for Data Exploration and Applications (IDEA)

James Hendler has authored over 200 technical papers in the areas of Semantic Web, artificial intelligence, agent-based computing, and high performance processing. One of the inventors of the Semantic Web, Hendler was the recipient of a 1995 Fulbright Foundation Fellowship, is a former member of the U.S. Air Force Science Advisory Board, and is a Fellow of the American Association for Artificial Intelligence, the British Computer Society, the IEEE, and the American Association for the Advancement of Science (AAAS). He is also the former Chief Scientist of the Information Systems Office at the U.S. Defense Advanced Research Projects Agency (DARPA) and was awarded a U.S. Air Force Exceptional Civilian Service Medal in 2002. He is the Editor-in-Chief emeritus of *IEEE Intelligent Systems* and is the first computer scientist to serve on the Board of Reviewing Editors for Science.

As part of his work with the Tetherless World Research Constellation at Rensselaer, Hendler helped develop an application that utilizes the U.S government data warehouse, Data.gov, to provide scientists with easy and direct access to government data sets relevant to their research. Hendler is also a faculty affiliate of the Curtis R. Priem Experimental Media and Performing Arts Center, serves as a director and trustee of the UK charity Web Science Trust, and is a visiting professor at DeMontfort University in Leicester, UK.

Hendler earned his Ph.D. in computer science, artificial intelligence and a Sc.M. in computer science, artificial intelligence at Brown University; a M.S. in cognitive psychology, human factors engineering from Southern Methodist University; and a B.S. in computer science, artificial intelligence at Yale University.



Gerald Jackson '97

Supply Chain IT Director, Google

Gerald Jackson is currently a supply chain information technology director at Google focused on creating adaptive supply chain operations thru automation. Prior to joining Google, Gerald spent the previous 18 years driving large scale manufacturing and supply chain strategy, process, and systems improvement programs at General Electric, various clients while at Accenture, and most recently Microsoft Xbox/Surface/Nokia.



Jay Jayaraman

Partner at OPS Rules

Jay Jayaraman is a partner at OPS Rules, a leading optimization and analytics consulting firm, where he leads the delivery and transformation of clients through the use of advanced analytics. Previously, he was a practice leader at IBM leading a team that developed and deployed optimization-based solutions for clients. He brings extensive hands-on experience in supply chain strategy and planning, and has led projects with clients across multiple verticals and geographies. He is a co-author of the foundational book on network design “Supply Chain Network Design - Applying Optimization & Analytics to the Global Supply Chain.”



Tim Kachur '02, '03

Senior Manager, OPS Rules

Tim Kachur is currently a senior manager with OPS Rules, a leading management consulting firm focusing on supply chain strategy and development and application of advanced analytics. Tim’s client engagements with OPS Rules focus on applying analytics-based solutions in areas such as supply chain design, customer segmentation, and resilience. Prior to OPS Rules, Tim was a project manager with Peach State, a leading warehouse design and automation firm. He also worked for Owens & Minor, a \$8B health care supply chain firm, leading all new client implementations and managed accounts for their new 3PL division. He has also designed and implemented supply chain execution systems for Circuit City.

Tim started his career at ES3, a grocery 3PL firm, working as a supply chain engineer and project manager, designing and implementing new distribution centers and a customized warehouse management system. His past clients include multiple Fortune 500 firms and growing startup firms in many industries: CPG, food/beverage, pharma/medical device, heavy industry, equipment rental, and retail, among others. Tim graduated from Rensselaer Polytechnic Institute in 2002 with a B.S. in industrial and management engineering and in 2003 with his Lally MBA, with a concentration in production & operations research.



Theresa A. Kozikowski '85, '86

President, Rensselaer Alumni Association

Theresa A. (Teri) Kozikowski is the 115th president of the Rensselaer Alumni Association – and the third female to serve in this role. She was named president in July of 2015. Teri earned a Bachelor of Science degree in biology from Rensselaer – a proud graduate of the Championship Year of 1985. She earned her Master’s in Business Administration from Rensselaer the following year. Most recently, Teri was managing director and human resources leader for Marsh US & Canada, the largest business within the Marsh & McLennan Companies, a global leader in insurance broking and risk management.

Teri’s GE career began in the vendor financial services business where she was human resources manager of the Diversified Industries Group. She was named the business’s staffing and recruitment leader shortly thereafter. She was promoted to talent development manager for GE Capital’s headquarters in 1999. In 2002, Teri became vice president of human resources at the Commercial Equipment Finance division supporting all global functions and the Emerging Businesses and Services business. She was global organization, staffing and development leader of GE Capital’s Commercial Real Estate division, a role she assumed in 2005. Finally, in 2007, Teri became executive vice president and global human resources leader of GE Capital Aviation Services (GECAS), the commercial aviation leasing and financing unit of General Electric, a role she held through 2014.



Tom O'Donnell

Human Resources Leader, GE Power

Tom O'Donnell joined General Electric’s Human Resources Leadership Program with GE Transportation in Erie, Pennsylvania, in 2000, where he held positions as human resources generalist, union relations specialist, and production supervisor. After spending three years with Transportation, Tom joined GE Aviation as the human resources leader for the Tri-Remanufacturing service shop in Terre Haute, Indiana. He then moved to Cincinnati, Ohio, where he was the human resources leader supporting Aviation’s Global Sourcing and Materials organizations. Tom then moved to Baltimore, Maryland, where he was the human resources leader for Middle River Aircraft Systems manufacturing facility.

In 2010, Tom rejoined GE Transportation as the human resources leader for Energy Storage, GE’s energy storage business in Schenectady, New York. He then moved into human resources leadership roles with GE Renewable Energy Supply Chain and most recently, supporting the Schenectady, N.Y., manufacturing and engineering organizations. Tom graduated from Le Moyne College with a bachelor’s degree in labor and industrial relations and then earned a master’s degree in labor and industrial relations from the University of Wisconsin – Madison.