POMS Practice Leaders Forum Program

Sunday, May 5, 2013

Time	Event	Attendees
8:00 – 9:30	Half Plenary Session#1 : Health Care and Operations (Mayo Clinic + Amgen) + (PwC) *moderator: Chris Tang*	Open to all registered attendees
9:30 – 9:45	Coffee Break	
9:45 – 11:15	Half Plenary Session #2: Supply Chain Management (Dell, Xilinx, Sonoco) – *moderator: Kevin Omarah*	Open to all registered attendees
11:15 – 12:45	Awards Ceremony & Luncheon (*Present plaques to all POMS practice leaders*)	Open to all registered attendees & guests
1:00 – 2:30	Plenary Session: Dr. *Gang Yu's speech – 2012 MKS Award Winner*	Open to all registered attendees
2:30 – 2:45	Coffee Break	
2:45 – 4:15	Half Plenary Session #3: Business Analytics (HP + Google + Nestlé) – *moderator: Kevin Omarah:*	Open to all registered attendees
4:15 – 4:30	Coffee Break	
4:30 -6:00	Closed Session: POMS Practice Leaders Forum: Next Steps – *moderator: Chris Tang*	POMS practice leaders + POMS board members + Gang Yu

SESSION 1: Health Care and Operations

Speaker 1: Thomas Rohleder – Mayo Clinic

"Facing an Uncertain Future: Mayo Clinic's Center for the Science of Health Care Delivery"

Abstract:
Mayo Clinic desires to maintain its leadership position as a patient-centered health care organization in the face of significant pressures to reduce its overall cost structure. A key strategic component to achieve this goal is the newly formed Center for the Science of Health Care Delivery. This presentation will discuss how this Center is promoting applications of operations management at Mayo Clinic as well as research useful to all health care organizations. Results from several specific applications will be highlighted.

Speaker 2: Kimberly Clemson – Amgen, Inc.

"Advancing From Product Development to Product Lifecycle Management within Operations at Amgen"

Abstract:
Developing a biologic drug, including the manufacturing processes and quality systems to support it, spans many years. As a result of long development times, patient needs, market demands, and design requirements must be projected years in advance of the product launch. Furthermore optimizing the product or manufacturing processes post launch requires years to implement given complex global regulatory requirements. This environment requires a highly integrated product and process development program that manages the product through its lifecycle. This program is critical to the success of Amgen's Operations organizations and new efforts are underway to further maximize the value this program provides.

Speaker 3: Dirk de Waart - PricewaterhouseCooper

"Next Generation Supply Chains: Efficient, Fast, and Tailored"

Abstract:
Results of PwC's Global Supply Chain Survey 2013. This year's global supply chain survey by
PwC shows how Leaders are moving ahead of the pack. They're tailoring their supply chains to customer needs and investing in next-generation capabilities while keeping the focus on supply chains that are both fast and efficient.

SESSION 2: Supply Chain Management

Speaker 1: Ashlie Wallace – Dell, Inc.

"Managing Supply Chain Risk at Dell"

Abstract:
Continuity of supply (COS) is a top priority for Dell. COS issues create a challenging environment that drive long cycle time, which impacts customer experience and ultimately profitability. Dell Procurement has implemented an analytical approach to assess risk throughout the entire supply chain with the ultimate goal of driving sustainable improvement in component shortages and rapid incident recovery through event management. In this session, she will discuss the method, results, and best practices related to managing supply chain risk and maintaining the resulting operational resiliency.

Speaker 2: Alex Brown – Xilinx

"Supply Chain Planning in the Semiconductor: Facing the Complex Challenge"

Abstract:
This talk will review basic supply chain planning in the semiconductor industry, from forecasting through production planning & scheduling.   The talk will focus on the challenges brought on by innovation in the product & process that is driving dramatically increased planning complexity.

Speaker 3: Keith Holliday – Sonoco

"Building SCM Capability at a 110 Year Old Packaging Company"

Abstract:
Sonoco has reliably met customer needs, often through heroic intervention. I will share the journey toward supply chain excellence which has been building the processes, systems, and people capability to reduce the need for heroic intervention while delivering perfect order/ inventory performance in the top quartile of the packaging industry.

SESSION 3: Business Analytics

Speaker 1: Shailendra Jain – Hewlett-Packard

"Information Analytics at HP Labs"

Abstract:
HP Labs has a long history of innovation in applied analytics driven by HP enterprise needs for strategic and operational decisions. More recently, HP is gearing towards providing business services to manage big data and information optimization solutions for our enterprise customers. This talk will highlight select successful applications of Operations Research and related analytical disciplines. One common theme of these applications is need for effective use of multiple analytical methodologies to address large scale industrial problems. Generally, these methodologies include: large scale optimization, advanced statistical modeling, data mining/machine learning, text mining/information extraction, marketing science, game theory/behavioral economics and others. Our HPLabs team is building methodologies and deploying tools for strategic and operational planning of workforce for our IT Services business, with about 200K highly skilled employees to meet HP's enterprise customer demands in a dynamic and uncertain environment. This work addresses a difficult problem of optimal matching of complex demand & supply under uncertainty. Additional novel feature of this work is that we exploit unstructured information about demand and supply through advanced text mining and information extraction technologies and feed its result to large scale optimization for structured information processing. I will brief highlight the work in product portfolio optimization, which is the winner of INFORMS Edelman prize of 2009 and also our work in demand modeling & pricing optimization, for which HP was recognized by INFORMS Revenue Management and Pricing Practice Award of 2012. If time permits, healthcare analytics work in OR Scheduling and Comparative Effectiveness Research (CER) for managing costs and improving treatment effectiveness will be also shared.

Speaker 2: Thomas Olavson – Google, Inc.

"Big Data Problems are Sexy, but Small Data Problems are Beautiful"

Abstract:
HBR says that the Data Scientist is the sexiest job of the 21st century. Data scientists work on Big Data problems -- mostly analysis of logs data from internet users. Many problems that quants have faced for years in operations, finance, and strategic planning are quite different, but no less challenging, interesting, or impactful. I'll discuss a taxonomy for different analytical problem types and what makes each sexy or beautiful.

Speaker 3: Robert Wang – Nestlé

"Business Analytics – A Nestlé's Way"

Abstract:
The Decision Support Group of Nestlé's Logistic Division, is often regarded as the company's think tank, or internal consulting. Each year it delivers millions of savings through various projects in its supply chain. The group is known for its ability to focus and deliver measurable results in a very short time. This presentation will cover how the group is organized, successful projects in the last 5 years, and what is the data infrastructure behind all the projects.