North American Manufacturing Excellence Summit

2015

April 13-14, 2015
Westin Lombard Yorktown Center
Lombard, Illinois

www.manufacturing-event.com
DAY 1 – April 13, 2015

7:30-8:30
Registration and Breakfast

8:30-8:45
Chair’s Welcome Address

David Bozeman
Senior Vice President
Caterpillar Inc.

8:45-9:20
Toyota’s Production System Transformation Approach

Jamie Bonini
VP Toyota Production System Production Support
Toyota

9:20-9:55
Procter & Gamble’s Manufacturing Prowess – An Exception to The Rule

Pietro D’Arpa
Corporate Manufacturing Director
Procter & Gamble

CASE STUDY STREAM 1
9:55-10:30
Encouraging the Next Generation of Americans to Choose a Manufacturing Career

CASE STUDY STREAM 2
9:55-10:30
Leadership and Lean: Let’s Talk About You for a Minute

CASE STUDY STREAM 3
9:55-10:30
3D Printing: A Growing Trend to Bring Rapid Prototyping and Customizable Small Batch Jobs to America

Leadership and Lean: Let’s Talk About You for a Minute

- Understanding how your leadership impacts the shop floor:
  - What are your true objectives?
  - Are you planning and

- Why don’t young people want to work in factories anymore, and what can we do about that?
• Engaging with the new generation early and often to show them what STEM education can offer them
• Working with schools, colleges, and government continuing education programs to promote manufacturing careers
• Coordinating with the business community at large to train and retain skilled workers

Engaging with the new generation early and often to show them what STEM education can offer them

Using Critical OutPuts Analysis (COPA) to set performance targets and timelines for the creation and sustainment of a continuous improvement culture
Identifying what you need in terms of tools and culture change to achieve your objectives
Using the soft skills of ‘people power’ to win hearts and minds
Seeking out new ways to motivate and empower your team

Richard Perry
Manufacturing Director
DuPont

David Cowperthwait
VP Global Supply Chain Capability
Kellogg Company

Collis Heath
SVP Global Operations
Avigilon

Stephen Moore
Vice President Lean Enterprise and Quality
Parker Hannifin

Translating Traditional Lead Principles to Process and Batch Manufacturing

From low-volume production to full-scale manufacturing
Case studies from John Deere, Sterling Engines and Honeywell Aerospace
Exploring the challenges of implementing a 3D printing program, such as: Cost of Entry, Retrofitting & Printer Maintenance
Conceptualizing the endless future opportunities for 3D print manufacturing

Jerry Thiel
Director, Department of Metal Casting
University of Northern Iowa

10:30-11:50

Pre Arranged One-to-One Meetings

11:50-12:25
11:50-12:25
11:50-12:25

WORKSHOP
WORKSHOP
WORKSHOP

STRATEGIC MANUFACTURING
LEAN & OPEX
INNOVATIONS & NEW TECH

Engineering Performance Solutions

Translating Traditional Lead Principles to Process and Batch Manufacturing

Product Lifecycle Management for Manufacturing

An integrated approach to the life cycle of Routings, mBOMs, Task Assignment and S&OP Shop Instructions
Streamline the release of new product introductions and product updates for assembly plants through web enabled PLM-MDM (Manufacturing Data Management for the Product Lifecycle)
Synchronizing time-phased information into existing ERP systems for production optimization

Bill Currence
Chief Operating Officer
The Productivity Team

Performance Solutions by Milliken

Contrasting discrete manufacturing versus process manufacturing from the Lean Thinker’s perspective
Borrowing from the best of Lean, Six Sigma, Quick Response, and Total Productive Manufacturing philosophies to create a Continuous Improvement culture for formula-based manufacturing jobs
Reviewing best practices and lessons learned to date. What is the next step for CI programming?

Dr. Dave Sly
President
Proplanner

Phil McIntyre
Director of Milliken Performance Solutions

Synchronizing time-phased information into existing ERP systems for production optimization
### 12:25-1:00

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#### Transitioning from “Doing” Lean Six Sigma as a company to “Being” a Lean Six Sigma organization

- Defining the success factors that differentiate “Doing” vs. “Being”
- Delivering transformational financial impact through strategic project alignment
- Building a diversified and flexible methodology structure to accelerate organizational self-sufficiency
- Case Study Review on Rapid Action Teams; a 60-day improvement strategy

**David Hart**
Executive Director, Lean Six Sigma
**Valspar Corporation**

#### A Multi-Year Journey Towards Continuous Improvement and Total Workforce Engagement

- Discussing the importance of daily workforce consultation to seek steady cumulative improvement in work processes as the engine of long-term culture change
- Highlighting motivational tools that solicit grassroots contributions: Competition, recognition, entertainment, and a sense of accomplishment
- Demonstrating how far can a continuous improvement culture permeate an organization

**Marc Turco**
Director, Global Manufacturing Operations Water & Mechanical Products
**Tyco Fire Protection Products**

#### Unlocking an Enterprise’s Global Competitive Advantage by Innovating Across the Entire Product Life Cycle Process

- Understanding current innovation practices and the 10 Types of Innovation
- Undertaking a global innovation transformation involving all aspects of the business
- Integrating business, technical, and quality system tasks to drive innovative ideas from strategy through commercialization, to end-of-life
- Sustaining and driving world-class results across the Product Life Cycle Process

**Dean Jablonsky**
Director of Global Business Excellence & Healthcare Solutions
**Boston Scientific**

### 1:00-1:45 THEMED LUNCHES

Themed lunches are roundtable discussions amongst industry leaders where you will have the opportunity to discuss the most pressing issues. Each roundtable will be lead by an expert in the field. Limited seating available. Select from:

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<th>Advancing Environmentally Conscious Manufacturing</th>
<th>Workforce Development</th>
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<tr>
<td>PEPFICO</td>
<td>BRIDGESTONE</td>
<td>Snap-on</td>
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<tr>
<td>Michael AbouEzzi Sr. Director, LSS – Global Operations NAB PepsiCo</td>
<td>Mitch Burke Executive Director, Process Systems Development Bridgestone Americas</td>
<td>Michael Gentile Vice President Operations Snap-On Tools</td>
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<th>Innovation in Manufacturing Technology</th>
<th>How to Drive Distinctive Levels of Quality in Low Volume High Complexity Manufacturing</th>
<th>People Centric Leadership</th>
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<td>CATERPILLAR</td>
<td>John Deere Senior Vice President, Engineering, Manufacturing, and Supply Management</td>
<td>General Atomics</td>
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<tr>
<td>Tana Utley Vice President Caterpillar Inc.</td>
<td>Brian Rauch</td>
<td>Kim Rutherford Director of Manufacturing General Atomics</td>
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### 2:00-2:35

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- Machinery Plant’s Winners journey to Cut Waste and Enhance Standards
- Integrating Change Management Practices into Operational Excellence
- Supply Chain Control Towers: Unlocking the Value of Your Trading Network
- Create and promote the mentality of Zero concept for Accidents, Waste, Defects, Breakdowns and Inventory
- Improve plant efficiency and productivity
- Systematically eliminate excess planned maintenance
- Achieve 100% OEE in all equipment
- Create consistent Know-How

**Eddie Smith**  
Director of Operations  
Kuhn Group

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**Dave Salentine**  
Corporate Lean Operations Manager  
3M

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<td>Innovative Application of Predictive Analytics for Supply Chain Execution</td>
<td>Transformation Simplified: Creating a Sustainable Culture of Connectivity, Clarity and Consistency</td>
<td>Operations At Your Fingertips Through Innovative Technology Strategies</td>
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**Alfred Sherk**  
Founder & CEO  
SherTrack, LLC

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**Shane Yount**  
Principal/Author  
Competitive Solutions, Inc

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**Ed Tymick**  
Vice President Supply Chain Execution  
Coriant

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- Defining what a supply chain control tower is – and isn’t
- Building a competence in collaborative execution with your trading network
- Providing insights to a major OEM’s use of a supply chain control tower
- Achieving benefits from a supply chain control tower with extended visibility, real time analytics, and decision support

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**Kamlesh Shah**  
Founder & Chairman  
Indusa
From Good to Great: A Shingo Prize Winners Journey to Operational Excellence

- Building on the Shingo model, The Barnes Enterprise System (BES) improved activities across the entire organization
- How increased focus on teaching, empowerment and system alignment led to increased productivity and maximum results
- Keeping the entire facility engaged through structured GEMBA walks on a daily basis
- Why leadership must support and remove constraints in order for associates to deliver value and drive continuous improvements
- Establishing metrics and key performance indicators to monitor the roll out of new systems

Heidi Dirgins
VP Barnes Enterprise System
Barnes Aerospace

Terry Bates
Operational Excellence Specialist
Barnes Aerospace

Nike 2.0: Making The Dream A Reality – Implementing The Next Generation Of Lean Manufacturing Processes

- Detecting opportunities for growth and reimagining your lean strategy to meet growing demand
- Developing a blueprint for success – What are the steps involved and how can you align your capability to achieve them?
- Just do it – Executing your strategy while leveraging new technologies along the way
- How Nike is thinking differently about the next 5-10 years in global manufacturing

John Biedry
Senior Director, Global Lean Enterprise
Nike

Drinks Reception
Sponsored by: Joplin Regional Partnership
DAY 2 – April 14, 2015

7:30-7:45

Registration and Breakfast

7:45-8:20

**BREAKFAST BRIEFING**

**Integrated Plant Communications**

- Increase your productivity with voice and data solutions
- Improve safety with a reliably connected workforce
- Learn the results of the Motorola 2015 Manufacturing Plant Communications Survey

Ben Ansell  
Product Manager  
Motorola Solutions

8:20-8:35

Chair's Welcome Address

David Bozeman  
Senior Vice President  
Caterpillar Inc.

8:35-9:10

**The Anatomy of a Turnaround**

- How do you know if your organization needs a turnaround?
- What to look for and how to think about sustainable actions
- Examining a history of turnarounds, what has been learned and suggestions that may help you identify and effectively solve your own constraints

Jack Fish  
Chief Operating Officer  
Husqvarna

9:10-9:45

**Achieving Next-Level Success In Operations Excellence**

- Uncovering manufacturing opportunities and challenges based on current global dynamics
- Working beyond traditional boundaries to drive new performance levels in manufacturing
- Defining the New Normal in productivity
- Examining multiple levers for optimization including process redesign, new accountabilities for front line employees, smaller lot sizes, training, and measurement
- Find ways to quickly unlock the opportunities for eliminating wasted effort and obtain some early wins

Dave Powell  
Vice President and Partner  
A.T. Kearney

9:45-10:20

**CASE STUDY STREAM 1**

9:45-10:20

**CASE STUDY STREAM 2**

9:45-10:20

**CASE STUDY STREAM 3**
Manufacturing Excellence... This is Really Simple!

- Cultivating a culture of cooperation and collaboration to CI efforts in every aspect of your business
- Redefining your competitive advantage through the perspective of your customer
- Understanding how communication, quality, order fulfillment, cost structures, the supply chain, team effectiveness, safety, and manufacturing leadership all impact your customer’s opinion of you
- Creating a parallel system of non-financial performance measurement to measure the qualitative side of your company’s throughput

Juan Perez
Sr. Director Integrated LSS
Kraft Foods

Supply Chain Transformation – The Journey and The Payoff

- Journeys never end.... you must keep listening & learning
- Supply Chain is no longer a cost center, but a profit maker
- Compromise is not required when it comes to supply chain transformation

Laura Dionne
Sr. Dir. Worldwide Operations Planning
TriQuint Semiconductor

The American Manufacturing Facility of the Future: Green, Clean, Zero Landfill, Zero Emission, and Saving Money in the Process

- Discussing the corporate culture changes involved in driving eco-friendly projects and programs
- Showcasing improvements and initiatives that cut fuel and water consumption, GHG emissions
- When does capital investment and process improvements geared towards environmental performance also improve overall performance, productivity, and profitability?
- Offering lessons learned so far and considering the next steps
- Awards Won:
  - J.D. Power Platinum Plant Assembly Line Quality Award for Camry production
  - Toyota Motor Engineering & Manufacturing Platinum President’s Quality Award
  - Campbell Institute/Stewardship Action Council Innovation Challenge Award for zero waste achievement

Denise Coogan
Manager, Safety & Environmental Compliance
Subaru of Indiana Automotive

10:20-11:10

Pre Arranged One-to-One Meetings

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<td>Balancing “Effective” and “Compliant” Quality Systems in Manufacturing</td>
<td>What does a True Continuous Improvement Culture Look Like?</td>
<td>Building Smarter Manufacturing With The Internet of Things (IoT)</td>
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- Effective Quality systems provide the tools needed to resolve Manufacturing Quality Issues as
- Using Critical OutPuts Analysis (COPA) to set performance targets and timelines for the creation and
- Where are we headed? IoT will fundamentally change how products are invented,
they arise including DMEA, DFSS, PFMEA and Six Sigma tools and continuous improvement.

- Compliant Quality depends on Quality targets and deadlines, standardized work, inspection, tolerance setting.
- While each method is needed, developing a system with balance between these techniques results in an optimal quality system and superior results.
- This presentation discusses the pitfalls of considering one over the other more important and how these divergent sets of tools can play well together.

Hari Menon
Global Lean Implementation Leader
GM

Eric Pope
VP of Operations
US Synthetic

• Compliant Quality depends on Quality targets and deadlines, standardized work, inspection, tolerance setting.
• While each method is needed, developing a system with balance between these techniques results in an optimal quality system and superior results.
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11:45-12:20
WORKSHOP
STRATEGIC MANUFACTURING
Strategies For The Fourth Industrial Revolution

Ralph Marsh
Vice President
ATS Applied Tech Systems

• It's not just IT
• Is Manufacturing Excellence still relevant?
• What is the impact on the organization?
• Which steps can we take today to prepare?
• Clever “now” investments for The Fourth Industrial Revolution

11:45-12:20
WORKSHOP
LEAN & OPEX
Contracting Risk: Identifying Your Exposure

Thomas Howell
Vice President
Revitas

• Identify the most common sources of contracting risk and identify simple ways to help eliminate unwanted risk
• Contract creation risk – Expediting revenue and Shortening sales cycles
• Contract performance risk – Ensuring contracts include the best terms and conditions
• Legal risk – Ensuring contracts meet regulatory and compliance requirements
• Financial risk – Identifying and monitoring obligations and milestones

11:45-12:20
WORKSHOP
INNOVATIONS & NEW TECH
Fuelling the “Factory of The Future”

Randal Kenworthy
Practice Director – CPG and Life Sciences Manufacturing
Cisco

• Examine how Big Data can be leveraged in manufacturing operations to build more reliable products and achieve near zero down time by bringing together the “voice of the factory”, the “voice of the customer” and the “voice of your product” to gain a competitive advantage in the marketplace.
• Simulate the impact of cost changes on margins and profitability
• Rapid identification of exceptions and root cause
• Predict Low Yield and Quality Defects

12:20-1:20

Gopal Ratnam
Sr. Dir. Enterprise Applications Development
Oracle
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<th>Connecting Machines, Data, Insights &amp; People</th>
<th>Complexity Drivers in Manufacturing</th>
<th>Lights, Intelligence, Insight: Why It Pays to Be Smart</th>
<th>Coordinating Beyond Your Enterprise with Customers and Suppliers to Manage Performance and Create Value Beyond Cost</th>
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1:20-1:55  
CASE STUDY STREAM 1  
STRATEGIC MANUFACTURING  
Creating a Global Standardized Operating System from The Ground Up

**Johnson & Johnson**

- Taking a holistic approach to improving productivity, developing capability while reducing operating costs
- Creating and implementing a scientifically rigorous model to identify areas of opportunity, develop appropriate control plans in the journey of continuous improvement
- Highlighting the role of people and leaders as the catalysts and drivers of change within an organization
- Standardizing business practices across global operations and encouraging a culture of continuous improvement

**Kathleen Taylor**  
VP, Johnson & Johnson Production System  
Johnson & Johnson

**JD Machine**

- Create a strategy deployment process, which defines what it means to win at each level of the organization
- How to build an effective visual management system that enables teams to see if they are winning or losing in real time
- Developing a daily kaizen cycle, where problem solving, employee suggestions, and recognition systems occur across every team, every day
- Defining the role of leaders in creating, improving and sustaining these systems
- Creating leader standard work, engage follow up through reaction protocol, and drive results with daily huddles, weekly action plan reviews and a monthly step back process

**Bryan Crowell**  
General Manager  
Co-Author “Own The Gap” (Shingo Award Winning Book)  
JD Machine

1:55-2:30  
Taking the First Steps of the Journey: Launching and Sustaining a New Lean Program

- Deciding what type of Lean makes sense for your business
- Walking through the early planning and decision-making processes behind a lean program rollout
- Setting goal: What does success look like, and what are the KPIs involved in reaching a successful outcome?
- Measuring, analyzing, and improving business processes and systems based on real data
- Transitioning the new processes into the new normal
Jim Durkin  
Kraft Foods  

Graeme Reid  
Maple Leaf Foods

Rick Turvey  
Sofina Foods Inc.

Jean-Phillipe Provencher  
ThingWorx, A PTC Business

2:30-3:05

Chair's closing address