



IMPACT **Manufacturing Summit**

April 22-24th, 2018 | Las Vegas | The Red Rock Resort

IMPACT brings its attendees a truly comprehensive educational program that is 100% peer-driven and developed by 20 steering committee members from distinguished companies. The program addresses the major pressures and challenges seen in today's manufacturing world, from maintaining a successful continuous improvement system to the complex managing and developing of innovation, technology and workforce. IMPACT is a must-attend event for all manufacturing executives.

Distinguished Steering Committee Members

A.Y. McDonald Mfg. Co.
Breas Medical AB
Coast Composites Inc
Delta Systems Inc
K-Flex USA L.L.C
Lake Region
Manufacturing, Inc.

NanoLumens Inc.
Oakley Inc
Gilead Sciences
Hill-Rom
J. Rettenmaier USA LP
Kahle Automation

Polyplex Corporation Limited
Reynolds Polymer Technology Inc
Safariland
U.S. Boiler Company Inc
U.S. Vision
Ushers Machine & Tool Co Inc.

Target Audience

**C-Level, Senior Vice President, Vice President,
Director, Head, Lead & Manager of:**

Automation	Manufacturing
Continuous Improvement	Operations
Distribution	Owners & Presidents
Engineering	Sustainability/Green
Facilities	Packaging
Innovation	Plant
IT	Procurement & Sourcing
Lean/Six Sigma	Production
Logistics & Transportation	Quality Control
Maintenance	Supply Chain





Program Key Themes & Discussion Topics

Leadership & Manufacturing Innovation Strategies

This track was specifically developed to support manufacturing leaders with best strategies and management tactics relating to planning and development, innovation, performance improvement and technology application. Effective leadership strategies are usually considered the foundation of any successful operation. Top leaders also see innovation and technology implementation as some of the most important ways for companies to accelerate the pace of change in today's global business environment. This track brings together a comprehensive view of varied methods that tackle some of the most pressing challenges in leadership.

Presentation: Reducing Hardware Development Time Through Virtual Testing

Product Development from concept to market in less than a year is becoming the norm. The appetite for increasing functionality in smaller and lighter devices is insatiable. We are now expecting access to cloud computing in the palm of our hands that can respond to your voice, touch gesture and your very location. The reality in consumer electronics is that there many unknown complex system interactions and we are not afforded years of risk assessment in this highly competitive market. What is the correct approach in designing product at risk where engineering cost and schedule are finite? In this talk we will examine 3 strategies: 1. Working backwards from the customer to product risk 2. Design through virtual simulation tools; 3. Development of customer-use centric specifications using stress-strength analysis. We will examine how leveraging the power of cloud computing has enabled these new methods and shape the future of Product development.

- Accurate representation of device usage is now enabled with cloud computing
- Higher customer satisfaction is achieved through the use of big data stress-strength analysis
- Time to market has been reduced 2x with these simulation techniques

Speaker: Patrick Tang, Vice President Hardware Engineering, AMAZON LAB126

Case Study: Win the “War on Waste” Through Progressive Capability Programs

Winning the “war on waste” requires a well thought out strategy fought on multiple fronts. This talk presents an overview of how we used Quality Centers of Expertise; management systems (internal, external, and customer audits), metrology (measuring things the right way with the right tools), and process control (proactively controlling and managing outputs) to meet ever increasing customer requirements without significantly impacting our cost structure.

- Change the way your company thinks about quality: develop an organizational vision
- Change the playing field: measure quality differently by focusing on the system rather than output at the end of the line
- Meeting “spec” is no longer enough; it’s just the ante into the game. Understand your capabilities compared to your customers’ expectations
- Progressive capability programs promote standardization and allow easier management of global quality expectations across multiple factories

Speaker: Jim Cameron, Vice President, Global Quality, COORSTEK

Presentation: Strategies to Improve Supply Chain Agility, While Driving Improved Manufacturing and Portfolio Productivity

In our ever-changing businesses, we are constantly challenged to deliver faster manufactured products at reduced cost. With the increase in e-commerce, we are also asked to provide more variety. Therefore, in this presentation I would like to share thoughts on how to approach this and drive optimized business solutions.

- Getting clear on the true business need
- Understand what levels you have to deliver the intent
- Push for breakthroughs in areas where the solutions are undefined

Speaker: Willie Johnson, Engineering Section Head – Platforming, PROCTOR & GAMBLE

Case Study: Fender: A Manufacturing Transformation Story

Join Ed Magee, Fender Musical Instruments Corporation’s SVP Of Operations, For an Inside Look at The Company’s Manufacturing Transformation Story and Best Practices for Internal and Contract Manufacturing. In this Presentation, Magee Will Explore Leadership and Innovation Strategies at Fender, In Addition to The Company’s Rich History in Manufacturing. Since 1946, Fender Has Evolved Its Manufacturing Processes with Technological Developments, Always Continuing to Innovate to Maintain Its Leadership in The Musical Instruments Manufacturing Space.

- Inside look at Fender’s transformation story
- Best practices for internal manufacturing
- Best practices for contract manufacturing

Speaker: Ed Magee, Senior Vice President Operations, FENDER MUSICAL INSTRUMENTS

Presentation: Achieving Cross Functional Goals Alignment to Increase Team Collaboration

Prioritization of objectives and tasks across multiple functions presents an ever-present challenge to manufacturing and quality leadership. Taking lessons from my years as a Senior Quality Leader within Johnson & Johnson, I will discuss strategies and tools for gaining cross functional alignment on goals that will help teams prioritize their work on a day to day basis to increase collaboration and results.

- That aligning on goals across functions is critical
- Always focus on the customer to set priorities
- How to effectively resolve conflicting priorities

Speaker: John Glaccum, Senior Director Quality Systems, Css, JOHNSON & JOHNSON

Presentation: The Interconnected North America Gas Market: Where do we go from here?

The global gas market continues to evolve, becoming more interconnected than ever before. An increasing number of variables drive North American supply and demand balances, playing an important role in future price outlooks. The manufacturing industry will need to consider how factors such as domestic supply growth, global demand, pipeline developments, size and timing of U.S. exports, global weather patterns, and infrastructure outages could potentially impact an already dynamic market. Understanding how to build a robust risk management strategy to better manage market fluctuations will be essential to safeguard industry's growth going forward.

Speaker: Orlando Alvarez, President & CEO, BP Energy Company

Effective Continuous Improvement

Continuous improvement is a great way for companies to identify opportunities and integrate improvements into their day-to-day operations. Working to constantly improve is the number one way in which businesses reduce operating overhead and streamline workflows. A successful CI plan allows companies to reduce wasted time and effort, resulting in time and money savings. This track will highlight some effective and tested continuous improvement strategies through carefully crafted presentations and case studies for the manufacturing leader of today.

Presentation: Developing Lean Transformation for Business Results

Implementing a lean production system in a traditional low volume, high mix environment that delivers world class business results.

- How to design a lean system
- Organization readiness for a lean transformation
- Expected results during and after implementation

Speaker: Graham Sparkes, Vice President Operations of Global Power Tools, APEX TOOL GROUP

Case Study: How to Find Failure Costs When They Are Transactional

Lean approaches to eliminating waste are nothing new, and attacked throughout the manufacturing world. However, when a company incurs transactional waste that you can't see in any gemba walk, how do you attack it? I will present our case study of how the waste happened, how nobody owned it, and how I went about figuring out where it was coming from and how to eliminate it. A virtual gemba walk, you might say.

- Understanding what failure costs are being measured
- Understanding what process flows are involved in those failure costs
- How do we sustain the continuous improvement?

Speaker: John Czerwinski, Director of Continuous Improvement, BRITAX CHILD SAFETY INC.

Presentation: Transforming Operations for Improved Agility & Customer Satisfaction

Transforming legacy processes and workforce to improve customer satisfaction and delivery performance. Cellular manufacturing development, design, & implementation improved agility, velocity, significant reduced work space, and advance pull to align global supply chain and end customers. This overview presents the U shape design, pick to light, pull system/ Kanbans back to extended global supply chain, & one-piece flow, resulting in meaningful improved customer delivery performance, reduction of change over, inventory levels improvement, and engaged workforce.

- Achieving Improved Customer Satisfaction
- Achieving Improved Delivery Performance.
- Decreasing Floor Space

Speaker: Santos Juarez, Director of Operations, EMERSON ELECTRIC

- **Adaptation of Kaizen in US Manufacturing**
- **Workplace Motivation for Continuous Improvement**

Implementing Digital Manufacturing

The digital revolution is making a big impact in the world of manufacturing, providing more data than ever before. Artificial intelligence, automation and robotics, and additive technology are changing the game for many manufacturers and will transform every aspect of manufacturing in the next few years. However, the successful application and implementation of these technologies to optimize factory operations, boost product quality or improve cost-effectiveness is the challenge that many manufacturers are confronting. During this track, manufacturing leaders will discuss best strategies, practices and successful case studies of their digitalization transformation.

Presentation: Application of AI and Analytics for Manufacturing Supply Chain Excellence

Intel's manufacturing supply chain is a global and complex capital-intensive network, requiring many specialized materials and highly complex manufacturing processes with long lead times and short product lifecycles. To manage this complex supply network, the company embraced the use of AI and analytics in all facets of its manufacturing supply chain to make data-driven decisions. Intel has enabled an intelligent manufacturing supply chain by investing in improved technology, advancing analytics and developing data science skills for its workforce.

- Learn about Intel's manufacturing supply chain excellence
- Key AI and Analytics tools and capabilities to advance your manufacturing supply chain
- Emerging and disruptive technologies for manufacturing supply chain

Speaker: Mani Janakiram, Director, INTEL CORPORATION

Presentation: Digitizing Quality

In my presentation, I will discuss how in an age of rapid digitization, cloudification and increasingly ubiquitous artificial intelligence quickly disrupting existing business models and entire industry segments, a modern quality organization can respond to these challenges to ensure customer satisfaction, strengthen brand value and deliver value to the shareholder.

- Main trends affecting quality in organizations due to digitization
- How digitization will radically change customers' perception of what quality is and what it's worth
- How digitization will change the way you engage your employees on quality and who owns it
- How organizations can act proactively to prepare for the swift changes at hand

Speaker: Markus Bolte, Head of Quality Strategy, NOKIA CORPORATION

Presentation: Operationalizing Digital Manufacturing

By 2022 Smart factories will deliver an estimated \$500B in value and a 7x increase in overall productivity. What can manufacturing leaders do today to ensure short-term investments support the capabilities required for near and long-term Digital Manufacturing success.

- How can companies identify their current level of Digital Readiness?
- What use cases become available as a company increases their Digital Readiness?
- What pitfalls threaten successful Digital Manufacturing implementations?
- What has Sight Machine learned from working with the world's most advanced Digital Manufacturers?

Speaker: Jon Sobel, CEO, SIGHT MACHINE

Presentation: Journey to Manufacturing 4.0: Disrupting the Commoditization of Manufacturing

Recipes to purposefully drive your own disruption and set your business for digital transformation Reality is you either disrupt yourself or get disrupted. But, how do we continue to reinvent ourselves? And, how do we leverage our value chain as data becomes more pivotal than our brick and mortar assets? Learn how to drive a controlled disruption and keep your business poised for the digital transformation journey.

- Understand how a focus on competencies over product and process can lead to continuous innovation during short, rapid time cycles.
- Learn how to employ technology as an enabler to your business while integrating it as an end-to-end solution for your operations.
- Hear ways to inspire your workforce to evolve their skills to function effectively within this digital age.

Speaker: Patrick Bass, CEO of North America, THYSSENKRUPP NORTH AMERICA, INC.

Presentation: Get More from Your Plant Floor

The emergence of Industry 4.0 and the Industrial Internet of Things (IIoT) is bringing to market technologies that are fundamentally transforming the world of manufacturing. Asset Connectivity, Data Extraction, and Data Manipulation are no longer technical barriers to achieving Smart Manufacturing. Is your organization educated, aligned, and structured to leverage these technologies and reap their benefits? Learn why deploying a Smart Manufacturing platform is easier than it looks.

- Connectivity Layers and Strategies – Edge, FOG, Cloud
- Communication Protocol Standardization
- Begin with the End in Mind: What's the problem you're trying to solve?
- Which Data is Right for You? – Define Your Use Cases
- Driving Transparency Across the Enterprise – Integrating with Business Systems

Speaker: Jeffrey Price, Executive Vice President, 5ME

Presentation: The Roadmap to Digital Manufacturing Transformation

Amid the hype surrounding Industry 4.0, IIOT, and data-driven digital manufacturing transformation, the introduction of Industry 4.0 has caused a bit of a culture shock for manufacturers. The benefits are far too significant to ignore and will enable many to deliver competitive advantages in an ever-competitive landscape. However, a great deal of hesitancy still exists for manufacturers to embrace the technology that solves the new challenges presented. Because no standard roadmap toward digital manufacturing exists, companies are often uncertain around where to start and what foundational capabilities are required to succeed. 50% of US companies admit to not having a systematic roadmap or toolbox for easy rollout of digital manufacturing solutions. To build a roadmap to digital transformation, companies will often look into the future, visualize where need to be in twenty years, and attempt to plan backwards. For many however, a more beneficial approach may be to accept that “You can't know where you're going without knowing where you are now.” It's all about knowing where you stand and planning for the road ahead. Visualizing your roadmap and where your organization lands within it will help define what steps you can take to create immediate value, where/when to invest time and resources, and most importantly how to advance forward to the next stages.

- How to identify if you are ready and capable for digital transformation
- How to identify the digital tools necessary for measuring your success
- How to identify the assets and people necessary for implementing your strategy
- Defining actionable steps to build your roadmap to digital transformation

Speaker: Bill Bather, Co-Founder and CEO, MACHINE METRICS

Presentation: Building Smarter Manufacturing with The Internet of Things

Are you pleased with your current margins? Does your revenue grow by single digits? Is 2017 another year of “trimming costs” to be more efficient with the result being mediocre at best? Hitachi has 100+ years of manufacturing experience. Today, convergence of operational technology and information technology enables manufacturers to be more efficient, agile, and profitable. Learn how Hitachi has employed IoT and Advanced Analytics to solve internal manufacturing challenges and address customer pain points, to realize real operational savings.

- Where is manufacturing headed? IoT will fundamentally change how products are invented, manufactured, shipped and sold
- With IoT, IP networks and analytics, manufacturers can become more efficient, improve worker safety and offer new business models
- IoT will help manufacturers improve resource efficiency, safety and return on assets Manufacturers that master this new dynamic will have a variety of new opportunities for revenue growth and cost savings

Speaker: David McKnight, Senior Manager, Digital Manufacturing Solutions, HITACHI CONSULTING

Automation and Robotics: The Impact on the Factory Floor and Future Workforce

Workforce & Talent Management

In the business world, it has now been established that to drive optimal levels of operational success, business leaders need to engage high-performing employees, foster new talent and keep developing their workforce. Throughout this track workforce management experts will discuss top approaches to keeping an engaged workforce, managing the changing landscape and tackling the task of attracting qualified talent.

Presentation: How to Solve the 5 Pervasive Team Challenges and Transform Your Business

People represent the greatest investment opportunity in any company. They're also the greatest challenge. And the challenges multiply when people work together on teams. Despite the dysfunction of the majority of business teams, teamwork has never been more important for fast-growth companies.

- How to accelerate the effectiveness of new teams and new leaders
- How to deal effectively with contentious teams and teammates
- How to optimize high-functioning teams and navigate change initiatives
- How to develop and retain your high potentials

Speaker: Lyle Wells, National Director of Leadership Processes, THE FLIPPEN GROUP

Presentation: How to Overcome Workforce Challenges and Deliver the Desired Results

Today's workforce is more diverse than ever before, employee engagement is reported to be at an all-time low, business financial performance pressures continue to grow, the pace of change is relentless and the impact of technology is expanding on an increasing number of fronts. With all of these head-winds, how can we be successful? In this presentation I'll share my perspective and experiences to overcome these challenges and deliver the desired results. The tools we will discuss come from a variety of sources and can be applied to any type of business.

- Why not to “train” but rather to teach
- Neuroscience-based approach to improving performance
- Why company history and culture matters
- Focus on aspirations that unite

Speaker: Peter Fritsche, VP, Global Operations, DATA SCIENCES INTERNATIONAL

- **How to Attract Millennials into Perceived Lower Tech Manufacturing Careers**
- **Workforce Training and Development: Creating Leaders at all Levels**
- **Strategies for Retention of Skilled Employees in a Changing Workforce Landscape**