Disruptive Innovation in Distribution

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Webinars that Matter in Times of Turblence

9 Dec 2020
Thank You to Our Partners and Sponsors
ISE’s Create Value by Integrating People, Strategy, Process and Technology

Enhancing the way you think and plan

Strategy
- Organizational Alignment
- Trust/Values

People
- Changing the way we exchange value with our employees and manage our culture.

Process
- What we do and how we do what we do.

Technology
- Leveraging hyper-connectivity and the full power of IT Enablement

Performance Excellence
Our Global Personal and Professional Development Series for IISE Members and Customers…

THEMES:

• Enterprise Transformation and OpEx
• Operational Analytics
• Cultures to support Perf Excellence
• Integration of People, Strategy, Process and Technology
• Integrated LeanSigma
• Industry, Service, Healthcare 4.0
• Personal and Professional Learning and Development
• Change Leadership and Management
• Navigating through Turbulent (VUCA) times
• Supply Chain and Logistics Optionality
Performance Excellence

Logistics and Supply Chain Related Webinars in our Series

- Benchmarking Industry: How to Engineer Performance Excellence
- Pioneering and Engineering a New World
- Risk Management and Resilience Engineering Strategies for Supply Chains
- Business Continuity Strategies and Tactics in Periods of Major Disruption
- Smart Supply Chains and Industry 4.0
- Restarting the Economy: Guidance on the Backside of the Disruption
- Rapid (AGILE) Deployment and Execution of Integrated Systems Engineering Principles and Methods in Times of Major Disruption
- Creating Cultures that Support Full Potential Performance/Operational Excellence

This Webinar is a Natural Evolution from Recent Global IISE Webinars

- Benchmarking Industry: How to Engineer Performance Excellence
- Pioneering and Engineering a New World
- Creating Cultures that Support Full Potential Performance/Operational Excellence
- Risk Management and Resilience Engineering Strategies for Supply Chains
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This Link gets you to these great Archived Webinars in our Virtual Learning Library

A webinar recording will be made available after the session, follow up e-mail you will receive tomorrow.

Download the presentation **DURING** the Webinar, before it ends!! and request extra handouts after the webinar.

Questions? Scott will review them as they come in and integrate into the dialogue as appropriate and time permits.

Follow up questions are welcomed and contact information is provided at the end of the presentation.

And, the Recording and Presentation pdf will be available on IISE’s website for IISE members shortly after the webinar date—Training/Webinars/Performance Excellence.


**Membership Has Privileges!!**
Agenda

- Opening Remarks (5 minutes)
- Our Panelists (5 minutes)
- Rules of Engagement (2 minutes)
- Panel Discussion (30 minutes)
- Q&A (10 minutes)
- Closeout (5 minutes)
Disruptive Distribution: From Weeks to Days to Hours

Presented by the Logistic & Supply Chain and Facility Design and Planning Divisions of the Institute for Industrial and Systems Engineering

09-DEC-20
Opening Remarks
Our Panelists
Rules of Engagement
Rules of Engagement

- Three questions presented to the panel related to four topical areas
- Each panelist will have an opportunity to respond
- Approximately 10-minutes per question
- Audience can submit questions via chat

Disclaimer: All information shared during this Panel Discussion is based on the panelists’ individual perspectives as gained through personal experiences, research, and learnings. Specific examples shared are based on data and information that is publicly available. There is no information being presented today that comes from any proprietary source.
Panel Discussion
What is the biggest disruption?

- COVID
- non-COVID

- Network Planning and Transportation
- Warehouse Design and Operations
- Material Handling
- New Technology
What is the biggest opportunity for improvement?

- Network Planning and Transportation
- Warehouse Design and Operations
- Material Handling
- New Technology
What does the future look like?

- Network Planning and Transportation
- Warehouse Design and Operations
- Material Handling
- New Technology
Q&A
Customer and Member Satisfaction and Feedback Survey

Disruptive Innovation in Distribution

You can download the deck (handouts)
You will receive an e-mail tomorrow with link to recording.
You can go to this IISE link soon and get deck and recording.
Quarter 1 Webinar Program/Lineup is rapidly solidifying:

- Industry Benchmarking: Best ISE Practices in Small and Medium Sized Businesses
- Industry Benchmarking: Operational Excellence Best Practices
- Service Systems Engineering and Operational Excellence
- Strategies for Eliciting and Sustaining ideal behaviors from Employees
- Operational Analytics and Huddle Systems
- Getting Certified in Integrated LeanSigma through IISE
- Picking the Right People—By What Method?
- Picking the Right Projects—By What Method?
IISE’s Annual Conference

Membership Has Privileges—Consider joining IISE?

https://www.iise.org/Details/?id=560
IISE Virtual Annual Conference(s)

- over 850 professionals, academicians, students attended our most recent Virtual Annual Conference.

- We envision over 2000 at next year's Virtual Annual IISE Conference.

- No Travel, lower registration fees, pick and choose live sessions, have access to session recordings and presentations for up to a year!

- Virtual Networking worked great!!

- Can purchase access to our library of sessions from the conference even if you did not get a chance to attend.

- Sampling of Sessions on next slide
Sampling of Sessions just from the Performance Excellence Track for May 2021

Industry Best Practices Virtual Benchmarking:
- Healthcare
- ISE Consulting
- ISE in Small and Medium Size Enterprises
- ISE Deployments in Large Enterprises
- Simulation to accelerate Benefits Realization

Industry 4.0, Smart Factories
Operational Analytics
Strategies for Designing and Executing Disruptive Innovation

Very difficult to get this kind of compressed learning at the price of registration anywhere, so please consider our upcoming Conference and Track.
Thank You!

An e-mail tomorrow from Go2Webinar will provide a link to the recording and you can also access the presentation and recording on the IISE website.


Contact us for More Info or to provide feedback:

For IISE Webinar Sponsorship opportunities Trent Sexton:

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For IISE Webinar Ideas, Suggestions, Feedback, Requests, Scott Sink:

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Dr. Russell D. Meller is the Vice President for Solution Design and Research & Development at Fortna Inc. His primary responsibility is to lead Solution Design, a group of engineering design experts who ensure that the designs that Fortna develops for its Clients meet the business and operational designs in an optimal fashion. Dr. Meller also leads the Research & Development Department, which is responsible for all modeling aspects of the FortnaDCdesign Suite™, which Fortna® uses to design complex distribution centers, as well as all algorithm development for FortnaWES™, which Fortna® uses to implement complex distribution centers. Dr. Meller is responsible for several internal research efforts that have been put into practice to benefit Fortna and its Clients, including the development of the FortnaWES™ Smart Order Grouping Algorithm. He's also served as the Solution Architect on many Client projects. He joined Fortna after an illustrious 20-year career as an educator, researcher, and part-time consultant in distribution center design. He taught at Auburn University, Virginia Tech and the University of Arkansas. He served on the College-Industry Council on Material Handling Education (CICMHE) for twelve years, moving through all leadership positions. He has won many awards for his teaching and research, including IIE's Baker Award, IIE's Technical Innovation Award, and the Reed-Apple Award from the Material Handling Education Foundation. At the inaugural International Physical Internet Conference he was named as one of the three founding “Physical Internet Pioneers.” He won an NSF CAREER Award, was named a Rainmaker by DCVelocity and is a Fellow of IIE. For eight years he led the largest applied research center for logistics and distribution systems, the Center for Excellence in Logistics and Distribution (CELDi). His background also includes one year’s experience working for an international logistics automation company. In 2020, he was elected to the National Academy of Engineering, the highest honor for an Engineer in the United States.
Rodolfo Portillo
Senior Corporate Executive
Supply Chain Optimization Researcher

Rodolfo Portillo Bollat is a senior corporate leader currently responsible for Amazon’s Customer Service across emerging businesses in the Americas inclusive of Canada, Mexico, and Brazil, relentlessly leading teams spread out globally with the vision of being the most customer centric company. Prior to Amazon, Rodolfo occupied senior leadership positions in Supply Chain, Finance, and Information Technology at Kimberly-Clark Corporation, ultimately serving as a CIO for Latin America and IT Director for Supply Chain across Latin America, Asia, and EMEA. He has conducted research in global supply chain networks optimization based in multi-criteria mathematical programming methods, incorporating both deterministic and stochastic models, successfully applying them to find solutions for complex and large-scale problems in industry to optimize customer service and business profitability, while mitigating disruption risks and considering other strategic factors. Due to his achievements in Industry and Academia, in 2018 he was the recipient of the Graduate of the Last Decade (GOLD) award by the Pennsylvania State Industrial and Manufacturing Engineering Society and was recognized as Logistics and Supply Chain Outstanding Practitioner by the IISE in 2019. He proudly holds a Ph.D. dual degree in Industrial Engineering and Operations Research as well as a M.E. in Industrial Engineering from the Pennsylvania State University. He also holds a Licentiate and B.A. degree in Business Administration from Universidad Francisco Marroquín. He has been a passionate sponsor of university recruiting programs throughout his career, partnering with top schools in Europe and the United States. Rodolfo, his wife, and three kids live in Seattle, WA where they enjoy outdoor and equestrian sports.
Robert Pudlo is a Vice President, Operations Support & Engineering at FedEx Ground with over 34 years of Engineering, Technology Development & Logistics experience, including: 12 years of Officer Leadership, 12 years of Director/Management roles in various engineering groups, and 10 years of direct Industrial Engineering experience. He is actively involved in promoting ISE principles and ISE individuals within the company. Bob is very active in the Institute of Industrial & Systems Engineers (IISE) at the national & local level. He is Past Chair of IISE’s Industry Advisory Board (IAB) and represented the IAB group on IISE’s Board of Trustees. He is a frequent Industry panelist at IISE Annual Conferences. He also mentors ISE students & young professionals. He is an active member of the Pittsburgh IISE Chapter. He has a MS in Industrial Engineering from the University of Toledo; a BS in IE from Pennsylvania State University; and numerous Executive Leadership & Development continuing education courses. He enjoys woodworking, volunteering within the community, and is an avid runner (he has completed 26 marathons).
Rajiv Saxena is Senior Vice President over the Supply Chain Solutions division, where he is responsible for Kenco’s engineering, solution design, continuous improvement, advanced data analytics, digital transformation and innovation areas. Rajiv has extensive experience and expertise in developing global supply chain strategies, solutions, systems and processes to coincide with changing market demands, operational needs and competitive pressures. He combines analytical, business, operational, technological and leadership skills to identify, develop and implement supply chain solutions to provide companies competitive differentiation on both the cost and service dimensions. Before joining Kenco, Rajiv held leadership positions at APL Logistics, Menlo Logistics (now XPO), and CEVA Logistics. Additionally, he worked for General Electric Company and S. B. Billimoria & Company (affiliated with Ernst & Young). During his professional career of over 25 years, he had leading roles covering diverse functional areas such as Supply Chain Engineering, Information Technology, Industrial Engineering, Business Strategy Development, Lean/ Six Sigma, Global Trade Compliance, Sustainability, Advanced Data Analytics and Innovation. He is widely regarded as a logistics and supply chain thought leader and has been highly successful in building and leading global capabilities and teams. He is a regular speaker at INFORMS, CSCMP and IISE conferences as well as at several leading academic institutes and industry forums. He has extensively published on different logistics and supply chain as well as productivity improvement related topics in several magazines. He has a PhD in Operations Management from Simon School of Business, University of Rochester, a Post Graduate Diploma in Industrial Engineering from National Institute of Training in Industrial Engineering, Mumbai, and a Bachelor of Engineering Degree in Electrical Engineering from Indian Institute of Technology. Rajiv is the recipient of several awards, including the Institute of Industrial and Systems Engineers (IIE) 2017 Award for Outstanding Industry Practitioner of Logistics and Supply Chain. He currently serves the IIE as Vice President of Operations for the US Mid-Atlantic Region. Previously, he also served as the President of the Logistics and Supply Chain Division and Vice President of Technical Operations overseeing Operational Excellence and Process Industries divisions at IIE.