



Sustainable
**manufacturer
network**®

2016 Conference

Sept. 26 – 27

McDonald's Campus -
Hamburger University
Oak Brook, Ill.

fmanet.org/smn2016

***Looking for ways to reduce energy consumption?
Resolve an air quality, water conservation,
or waste and materials management problem?***

If you are interested in making your company's processes, facilities, operations, and products more sustainable *and* profitable, then plan on attending the **2016 Sustainable Manufacturer Network (SMN) Conference** on Sept. 26-27 at McDonald's Hamburger University - Hyatt Lodge, Oak Brook, Ill.

- Join your peers from across the country to learn about real-world applications of innovative technologies and sustainable trends
- Meet with federal agencies that advocate and advance sustainable manufacturing practices that can play a critical role in your company's growth
- Network with others dedicated to best sustainable practices and minimizing environmental impact

The SMN Conference features environmental leaders from all sectors who will share success stories, and offer practical solutions during quality educational sessions.

Sustainable
**manufacturer
network**®

The Sustainable Manufacturer Network (SMN), an affiliate of the Fabricators & Manufacturers Association, Intl. (FMA), is a professional organization of members dedicated to advancing sustainable manufacturing practices across all industry sectors. SMN's mission is to drive the transition toward cost-effective, environmentally and socially responsible manufacturing.



"Our experience at SMN has demonstrated that we are not alone, and that the journey toward sustainability is shared by many. SMN provides us with direct access to some of the

leading thought leaders and practitioners of sustainable business solutions. In participating in the SMN conference we were able to learn from and engage with other manufacturers, vendors, and suppliers on leading-edge new technologies, best practices in manufacturing, and better ways to do business. SMN has and continues to yield new insights, and most importantly, new relationships, that provide tremendous value to our business."

-Mark Coleman, Business Development Manager, HARBEC, Inc.

Keynote Presenter



**Tom Murray, Biologist
Former Senior Scientist, U.S. EPA**

Helping Manufacturers and Supply Chains Adapt and Thrive in the Green Economy

Tom, who served in a key role as senior science adviser with the U.S. Environmental Agency, was at the forefront of many of the most significant environmental protections that the agency enacted.

He will look at the evolution of environmental topics during his almost five-decades-long tenure with the EPA; discuss public-private partnerships including the Green Suppliers Network; the Economy, Energy, and the Environment (E3) framework; the Manufacturing Extension Partnership (MEP); and the Investing in Manufacturing Communities Partnership.

Tom will also join **Stephen C. DeVito, Chief, Data Quality & Analysis Branch, U.S. EPA; Bruce Lung, U.S. DOE, Advanced Manufacturing Office;** and **Mary Ellen Mika, Manager, Global Sustainability Initiatives, Steelcase Inc.,** for a panel discussion of “Collaborative Partnerships that Offer Sustainable Manufacturers Opportunities.”

Featured Presentations



**Brion Hurley, Six Sigma Blackbelt,
Rockwell Collins**

***Reducing Energy, Water and Solid Waste
Using “Go and See”***

Learn how the “Go and See” approach encourages leaders, managers, and engineers to walk out to the work area to solve problems and apply specific applications of water conservation (Water Walk), energy conservation (Energy Walk), and solid waste reduction (Dumpster Dive). Brion will provide the templates needed for planning the event; capturing and grouping opportunities; prioritizing improvements; and deciding which ones to implement.



**Darwin J. Baas, Kent County Mich. Director
of Public Works**

Waste as a Resource - Not a Burden

Darwin will focus on the emerging circular economy - providing leadership and visioning to deliver waste diversion, energy recovery, and sustainable materials management strategies through an integrated solid waste management system for business and residents. Through collaboration and innovation, he is challenging the West Michigan community to think broadly about how waste can become a resource rather than a burden.

View the complete list of presentations and panel discussions [here](#).

Schedule-at-a-Glance

MONDAY, Sept. 26, 2016

9:30 am **Registration Opens**

10:30 - 11:30 am **Workshop**
Bill Stough, Sustainable Research Group
 Key Skills for Manufacturing Sustainability Champions

11:30 - 11:45 am **Break**

11:45 - Noon **Welcome/Introductions:**
Mary Ellen Mika, Steelcase;
Jim Warren, FMA

Noon - 1 pm **Lunch**

1 - 1:45 pm **Brion Hurley, Rockwell Collins**
 Reducing Energy, Water and Solid Waste Using "Go and See"

1:45 - 2:15 pm **Nikos Avlonas, Adjunct Professor of Sustainability, DePaul University**
 Sustainability Reporting Trends in North America

2:15 - 2:30 pm **Break**

2:30 - 3:30 pm **Case Studies in Green Manufacturing Operations**
 Saving Water, Energy, and Reducing Waste
 Moderator: **Tom Murray, former Senior Scientist, U.S. EPA**
Keith Lane, DuBois Chemicals
Mary Ellen Mika, Steelcase, Inc.

3:30 - 4:15 pm **Darwin J. Baas, Kent County Director of Public Works**
 Waste as a Resource - Not a Burden

4:15 - 5 pm **Chandler Slavin, Dordan Manufacturing Co. Inc.**
 The Value of Using Social Media to Market Sustainability: A "How to" Guide for Manufacturers

5 - 6 pm **Reception & Exhibits**

6 pm-Bus Departs **Networking Event: Two Brothers Tap House-**
 Member, Green Chicago Restaurant Coalition
 Enjoy an evening of pub food and a brewery tour at this sustainable venue.

 **Click here for full event details.**

TUESDAY, Sept. 27, 2016

8 - 8:45 am **Registration & Continental Breakfast**

8:45 - 9 am **Welcome/Introductions - Mary Ellen Mika**

9 - 9:45 am **Keynote Presentation: Tom Murray, former Senior Scientist, U.S. EPA**
 Helping Manufacturers and Supply Chains Adapt and Thrive in the Green Economy

9:45 - 10:30 am **Dr. William Hoffman, UL LLC**
 The Circular Economy and the new Sustainability for Manufacturing Standard, UL 880

10:30 - 10:45 am **Break**

10:45 - 11:05 am **Stephen C. DeVito, Chief, Data Quality & Analysis Branch, U.S. EPA**
 Green Chemistry and Other Pollution Prevention Practices

11:05 - 11:25 am **Bruce Lung, U.S. DOE, Advanced Manufacturing Office**
 Achieving Sustainability Targets: The Better Plants Program

11:25 am - 12:15 pm **PANEL: Collaborative Partnerships that Offer Sustainable Manufacturers Opportunities**
 Moderator: **Chuck Gerhardt, UL**
Stephen C. DeVito, EPA
Bruce Lung, DOE
Tom Murray, former Senior Scientist, EPA
Mary Ellen Mika, Steelcase, Inc.

12:15 - 1:15 pm **Lunch & Exhibits**

1:15 - 2 pm **Wayne Read, Other World Computing**
 Sustainable Business Makes Sustainable Sense

2 - 2:45 pm **Rob Freeman, Venbrook**
 5 Ways to Increase Profit and Reduce Risk in Green Manufacturing

2:45 - 3 pm **Break**

3 - 4 pm **Panel: How to Achieve Cost Savings and Business Growth by Becoming More Sustainable**
 Moderator: **Kate Bachman, Editor, Sustainable Manufacturer Network, FMA Communications**
 Panelist: **Aaron Mason, Hawkeye Energy Solutions**
 Panelist: **Bill Stough, Sustainable Research Group**
 Panelist: **Keith Lane, DuBois Chemicals**
 Panelist: **Chandler Slavin, Dordan Manufacturing**

Conference Concludes

CONFERENCE SPEAKERS



Nikos Avlonas
Adjunct Professor of Sustainability, DePaul University – Chicago

Nikos is founder and president of the Centre for Sustainability & Excellence (CSE), a global sustainability strategic advisory and training organization with activities in North America, Europe, MENA, and Asia regions. He is a well-known international speaker in topics related to Sustainable Development, and co-author of the book, “Practical Sustainability Strategies”.



Darwin J. Baas
Director of Public Works, Kent County Mich.

Darwin brings 25 years of environmental management experience in the public and private sector with experience in emergency response, hazardous waste transportation, environmental contracting, industrial cleaning, landfill, transfer station, material recovery, and waste-to-energy operations. His work is centered in West Michigan but he is involved in energy and waste policy at a state and national level.



Kate Bachman
Editor, Sustainable Manufacturer Network, FMA Communications

As Sustainable Manufacturer Network (SMN) Editor, Kate determines the communications vehicles' editorial coverage, strategy, and oversees their content and quality. While an editor of FMA Communications' manufacturing-centric magazines for more than 10 years, she received requests from readers for help implementing sustainability into their operations. She is delighted to combine her advocacy for manufacturers with her affinity for the environment.



Stephen C. DeVito, Ph.D., R.Ph
Chief, Data Quality & Analysis Branch, U.S. EPA

Steve is Chief of the U.S. Toxics Release Inventory (TRI) Program. The TRI Program provides information on industrial releases and other waste management of toxic chemicals and what industrial facilities are doing to prevent pollution in communities. He is actively involved in exploring TRI data in assessing the progress made by different industry sectors and facilities in implementing green chemistry practices, and how TRI as a pollution prevention tool has led to collaborations between industry and the EPA.

SPEAKERS CONTINUED



Charles Gerhardt
Program Manager, UL LLC

Chuck is a Program Manager for UL LLC (formerly Underwriters Laboratories) in the Facilities Department. He's a 30 year veteran, intrapreneur, and pre-founder of UL Environment. He looks with an eye towards sustainability and works with Facilities staff and other UL departments and leadership to identify, educate, budget, and implement sustainable initiatives for the company. Chuck is Immediate Past Chair of the Sustainable Manufacturer Network Advisory Board.



Rob Freeman, Jr., LEED AP, GPRO O+M
Vice President, Venbrook Insurance Services

Rob designs and delivers practical insurance and risk management solutions for the green manufacturing, renewable energy and green building industries. Before joining Venbrook, Rob was CEO and founder of Green Buildings Online Inc., an award winning provider of green building and risk management training to employees of institutions and Fortune 500 companies including JPMorgan, Hewlett Packard, Starbucks, Target, GM, Staples, Wells Fargo, World Bank, Yale, HBS, Stanford University, and more.



William F. Hoffman III, Ph.D.,
Corporate Fellow, Senior Scientist UL Environment

Bill manages the UL Environment science team working on the development of standards, and guidance for standards including the green chemistry and sustainable chemistry aspects of product environmental performance, validation of claims, and product certification. The goal is to provide a strong technical basis to product environmental performance by using a deep scientific analysis of the environmental impact of a product, while also assuring companies producing the product are using environmentally progressive manufacturing methods.

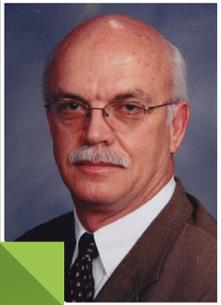
Bill holds a BS in Chemistry from Southern Illinois University, and a Ph.D. in Physical Chemistry from Illinois Institute of Technology.



Brion Hurley
Principal Lean Six Sigma Black Belt, Rockwell Collins

Brion is a Certified Six Sigma Black Belt (CSSBB), and Lean Master certified through Rockwell Collins. He has a bachelor's degree in Statistics, and a master's degree in Quality Management and Productivity from the University of Iowa, a Certificate of Sustainability from the University of Iowa, and a Green Manufacturing Specialist certification from the Society of Manufacturing Engineers (SME).

SPEAKERS CONTINUED



Keith Lane
Senior Account Manager, DuBois Chemicals

Keith started his industrial career in machine tool manufacturing management, and transitioned into industrial supply. He spent four years in mill and tool supply before moving into the industrial chemical supply market more than 30 years ago at DuBois Chemicals. DuBois Chemicals manufactures value-added specialty cleaning and process solutions. Keith is specialized in surface finishing, metal and plastic cleaning, and has significant involvement in metalworking fluids, rust preventatives and process water/waste treatment. Keith is Vice Chair of the Sustainable Manufacturer Network Advisory Board.



R. Bruce Lung
Industrial Technical Assistance Fellow, U.S. DOE

For more than fifteen years, Bruce has supported energy efficiency and clean energy programs through research and analysis of best practices and technologies. Currently, he is an ORISE Fellow with the U.S. DOE's Advanced Manufacturing Office. He supports the Better Plants and Superior Energy Performance programs by helping with expansion of industry participation and ensuring that the programs offer value to manufacturers and industrial-scale energy users.



Aaron Mason
Director of Operations, Hawkeye Energy Solutions

For the past ten years, Aaron has been involved in energy reduction and process optimization projects across the United States. Aaron started his career working in the manufacturing sector as a process engineer where he oversaw projects ranging from simple lighting controls to complex industrial heating applications. In 2009 Aaron joined Hawkeye Energy Solutions, as Director of Operations. Aaron's focus is on energy metering and energy efficiency for the industrial and manufacturing sector. Aaron is a member of the Sustainable Manufacturer Network Advisory Board.



Mary Ellen Mika
Manager, Global Sustainability Initiatives, Steelcase Inc.

Mary Ellen manages sustainability efforts for Steelcase's global supply chain. She leads the company's "green supplier" and conflict minerals programs and is responsible for energy strategy for Steelcase North America, including renewable energy. Her team assists suppliers with identifying and improving materials and processes to enable Steelcase to provide more sustainable products while reducing its environmental footprint. Mary Ellen is Chair of the Sustainable Manufacturer Network Advisory Board, member of the Materials and Resources Technical Advisory Group for USGBC's LEED program, and is a LEED-accredited professional.

SPEAKERS CONTINUED



Tom Murray, Biologist
Former Senior Scientist, U.S. EPA

Tom is a pollution prevention and sustainability expert, most recently serving as a Senior Science Advisor with the U.S. EPA. He is the architect of several environmental partnership programs including the Hospitals for a Healthy Environment program – a partnership with the American Hospital Association that reduced the use of mercury in healthcare by over 90%, the Green Suppliers Network, and the E3: Economy, Energy and Environment initiative, both cross-agency collaborations with industry focused on manufacturing growth, energy efficiency and environmental performance.



Wayne Read
Other World Computing

Wayne brings a diverse background in strategic planning, corporate leadership and vision casting having started or led several high growth organizations. Most recently, Wayne is redeploying his skills at Other World Computing – a manufacturing and e-commerce leader in the computer hardware space – directing their Inbound Marketing team and assuming the mantle of Sustainability Evangelist.



Chandler Slavin
Sustainability Coordinator and Marketing Manager, Dordan Manufacturing

Chandler is the sustainability coordinator and marketing manager for Dordan Manufacturing, an engineering-based designer and manufacturer of custom thermoformed packaging solutions, such as clamshells, blisters, trays, and components. She is a Sustainable Manufacturer Network author and subject of the article, “Thermoformer chases “chasing arrows” recycling symbol.” Chandler has served in an advisory capacity to Walmart Canada. She participated in the retailer’s Material Optimization Committee and co-led its PET Subcommittee. Chandler is a member of the Sustainable Manufacturer Network Advisory Board.



Bill Stough
CEO, Sustainable Research Group

Bill has over 30 years’ experience in environmentally sustainable business initiatives, industrial ecology, pollution prevention, and ISO 14001 environmental management systems. He is the founder/organizer of several regional sustainable business networks, and was the project manager for the development of the BIFMA e3 Sustainable Furniture Product Standard. He has completed over 60 Green Supplier Network Lean and Clean Assessments that resulted in identifying over \$800,000 of annual savings per company. Bill is a member of the Sustainable Manufacturer Network Advisory Board.

Networking Event: Monday, Sept. 26, 6 p.m.



Join your peers for a fun evening of great pub food and a tour of an authentic microbrewery at Two Brothers Tap House and Brewery—a company dedicated to sustainable and organic practices.

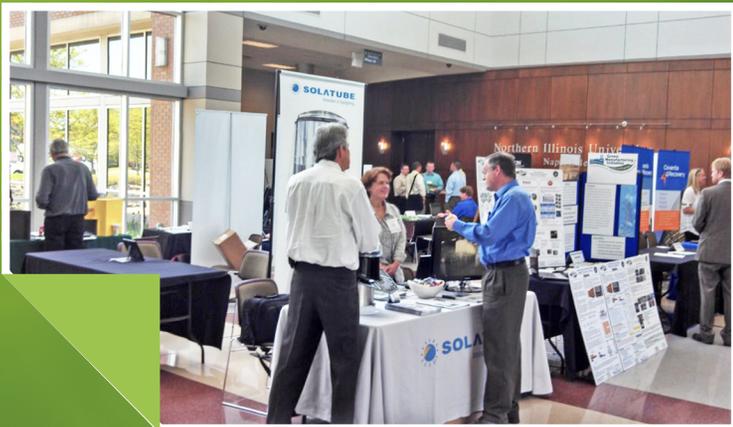
The Green Chicago
Restaurant Coalition



Sponsorship Opportunities

Capture the attention of key decision makers with a **sponsorship and/or tabletop display** at the 2016 SMN Conference. Various opportunities are available that will help meet your marketing objectives.

Download the application or contact Patty Elliott at patty@fmanet.org or 815-227-8217 for more information.



Event Venue



**Hamburger University,
McDonald's Campus**
2715 Jorie Boulevard,
Oak Brook, IL 60523

Hotel



**Hyatt Lodge, McDonald's
Campus • Silver LEED®
Certified**
2815 Jorie Boulevard,
Oak Brook, IL 60523

Discover a private retreat in the heart of Oak Brook, Ill. at The Hyatt Lodge at McDonald's Campus.

Book your room by August 29 for FMA's reduced room rate of \$175. The Lodge offers exceptional amenities in an unparalleled natural setting, and features the renowned event venue of Hamburger University, just a short stroll from the Lodge.

Conference Fees*

\$295 Members

\$495 General

*Includes Two Brothers Tap House and Brewery networking event with transportation provided.

 **Click here
to Register!**

**HYATT
LODGE**
AT McDONALD'S CAMPUS



From O'Hare Airport I-294 South to I-88 (West to Aurora). Exit I-88 at 83 North (Cermak Road) - 1st exit after toll booth. At stoplight (22nd Street/Cermak Road), turn right and go two stoplights to Jorie Boulevard. Turn right on Jorie Blvd. to the third stoplight (Kroc Drive). Turn left. At stop sign turn left on Ronald Lane. Hotel is on left and parking is on the right. Once on McDonald's Campus, all signage for the hotel states 'The Lodge'; there are no signs indicating Hyatt outside the hotel.	From I-294 South I-294 North to I-88 (West to Aurora). Exit I-88 at 83 North (Cermak Road) - 1st exit after toll booth. At stoplight (22nd Street/Cermak Road), turn right and go two stoplights to Jorie Boulevard. Turn right on Jorie Blvd. to the third stoplight (Kroc Drive). Turn left. At stop sign turn left on Ronald Lane. Hotel is on left and parking is on the right. Once on McDonald's Campus, all signage for the hotel states 'The Lodge'; there are no signs indicating Hyatt outside the hotel.
From Downtown Chicago I-290 West (Eisenhower Expressway) to I-88 (East-West Tollway to Aurora). Exit I-88 at 83 North (Cermak Road) - 1st exit after toll booth. At stoplight (22nd Street/Cermak Road), turn right and go two stoplights to Jorie Boulevard. Turn right on Jorie Blvd. to the third stoplight (Kroc Drive). Turn left. At stop sign turn left on Ronald Lane. Hotel is on left and parking is on the right. Once on McDonald's Campus, all signage for the hotel states 'The Lodge'; there are no signs indicating Hyatt outside the hotel.	I-355 from North or South or I-88 from West From either direction take I-88 exit (East to Chicago). Take I-88 to Midwest Road Exit. At stoplight, turn left. Take Midwest Road to 31st Street (next light). Turn left. Take 31st Street to Jorie Blvd. Turn left. Take Jorie Blvd. to 1st stoplight, (Kroc Drive) turn right. At stop sign turn left onto Ronald Lane. Hotel is on the left and parking is on the right. Once on McDonald's Campus, all signage for the hotel states 'The Lodge'; there are no signs indicating Hyatt outside the hotel.