

The background of the entire page is a dynamic, artistic splash of orange liquid, possibly paint or ink, against a white background. The splashes are fluid and organic, with various shades of orange and red, creating a sense of movement and energy.

Filtration2015

INTERNATIONAL CONFERENCE & EXPOSITION

Conference: **November 17, 2015**

Exposition: **November 18-19, 2015**

INDA'S Nonwoven Filter

Media Training Course: **November 17-18, 2015**

Networking Reception: **November 18, 2015**

Navy Pier, Chicago, Illinois, USA

Pure Opportunity

Connect with major industry breakthroughs at the Filtration2015 International Conference & Exposition.

With more than 130 exhibitors and 1,500 attendees, Filtration2015 is the singular event for professionals in the air and liquid filtration business! Attend, and you'll tap into industry intelligence, technical presentations, and leading-edge technologies from companies across the world. Exhibit, and you'll connect with potential partners who can take your business to the next level. **That's pure opportunity!**



**Association of the
Nonwoven Fabrics Industry**
ADVANCING NONWOVENS WORLDWIDE®

inda.org

Welcome



I would like to personally invite you to join me at INDA's 24th Filtration International Conference & Exposition, as it returns to Chicago's Navy Pier, November 17-19. This premier event once again will deliver on its promise of "Pure Opportunity," bringing together high quality educational program content, training, product displays, and connection opportunities in one location to advance the success of filtration professionals.

The Conference will provide everything needed to stay abreast of breakthroughs in the filtration industry. Key themes addressed by filtration experts include: Market Trends and Statistics, Cutting Edge Technologies, Filtration Solutions, and Industrial Air Filtration.

Additionally, there is co-located premium educational content, bringing you an opportunity to discover filtration principles, market and technology trends, new processes and products, test standards, unmet needs, and the growing potential of filter media products, which is valued at \$15.4 billion in North American sales to end users.

Filtration2015 will be brimming with vibrant energy and innovative technologies and products. Here, you will discover the latest information on:

- ~ Keynote speaker Armando Brunetti, Executive Vice President of Camfil Americas
- ~ North American filtration forecasts, statistics, and recent mergers and acquisitions
- ~ Cabin air filtration
- ~ Water purification
- ~ Electrospun membrane filter media
- ~ Particulate Matter 2.5 Removal

I encourage you to look at the full details of the Filtration2015 program as well as the listing of exhibitors you can do business with in Chicago. I hope to see you there.

Sincerely,

A handwritten signature in black ink that reads "Dave Rousse". The signature is fluid and cursive, with a long horizontal stroke at the end.

Dave Rousse
INDA President

Filter Media

Training Course

Tuesday, November 17

Pure Technical Training

“

The educational seminars alone justify the cost of attendance, and all attendees will go home with something beneficial, the very least of which is the awareness of the latest products and technologies affecting the filtration industry.

”

– **CHRIS ZAKER**, NAFA CERTIFIED AIR FILTER SPECIALIST, NATIONAL SALES MANAGER, GLASFLOSS INDUSTRIES

8:30 am – 5:00 pm

INDA's Nonwoven Filter Media Training Course

Christine Sun, Ph.D., Principal, Filtration Technologies International



Returning based on popular demand, this acclaimed co-located course provides 1.5 days of technical training beginning Tuesday, Nov. 17 and concluding Wednesday morning Nov. 18. Led by Christine Sun, Ph.D., a globally recognized technical and market expert in the nonwoven and filtration industries, attendees are guided through the principles of filtration to the market and technology trends. Join in, and you'll learn about nonwovens used in air and liquid filtration, filtration market segments, technologies, products, test standards, unmet needs, and the growing potentials of filter media products and business opportunities. Early registration is suggested.

Separate fee required.
(See registration form)

NOTE: INDA's Nonwoven Filter Media Training Course continues Wednesday, November 18, 8 am – 10:30 am

12:45 pm – 1:40 pm

Keynote Address

Armando Brunetti, Executive Vice President of Camfil Americas presents “Who Are Our Customers and What Do They Really Need? A Camfil View of Filtration Media Requirements of the Future.”



Learn how the perspectives of Camfil, a world leader in the development and production of air filters and clean air solutions with more than three decades in the filtration industry, have responded to the realities of the North American market and global business trends. For more than half a century, Camfil has developed sustainable solutions, providing customers with an optimal balance of clean air and energy efficiency, while minimizing impact on the environment.

1:40 pm – 2:10 pm

Filtration Trends and Statistics

» The State of the North American Filtration Market

Dave Rouse, President, INDA

Brad Kalil, Director of Market Research and Statistics, INDA



Dave Rouse

Gain a deeper understanding of filtration market data. Learn about significant mergers, acquisitions and the resulting business impacts. Includes a detailed comparison of the filtration market's size and growth compared to the overall nonwovens market in North America, with information from the recently published *North American Nonwovens Industry Outlook* report.



Brad Kalil

Pure Visibility

See and be seen!
Spark opportunities with thousands of potential partners.

2:10 pm – 3:40 pm

Cutting Edge Technologies

» New Developments and Future Requirements in Cabin Air Filtration

Andreas Scope, Manager Research & Development Cabin Air Filters, MANN+HUMMEL Innenraumfilter GmbH & Co. KG



Learn the latest filter media concepts for particle and combi filters, along with solutions for the removal of allergens, bacteria, and mold – and current field test results for the reduction of PM2.5 and VOC concentrations in car cabins.

» A Novel Application for Pleated Cartridge Filters with Nonwoven Media

Steven Dulin, Application Engineer, GE Water and Process Technologies



Explore the limits of pathogenic protozoan cysts in drinkable water. Also emphasizes the filter materials' requirements relevant to FDA food contact (21CFR177), materials and performance requirements relevant to NSF/ANSI Standard 53, and requirements relevant to EPA FIFRA.

» Nanofibers in Filtration: Beyond F9, Beyond MERV 15, Beyond Surface-Load and Pulsing

Fred Lybrand, Managing Director – Global and CEO for ELMARCO, Inc.



Nanofibers have proven their ability to perform up to MERV 15 and F9. They are well established in surface load filtration. Coating of wetlaid is very common. What markets are nanofibers entering into next? Discover the state of nanofiber adoption, future markets for nanofibers, and how NF-enabled filter media benchmarks to membranes and other advanced materials.

CONFERENCE:

Tuesday, November 17
(continued)

3:40 pm – 4:10 pm

Coffee & Networking Break 

4:10 pm – 5:10 pm

Filtration Solutions

» **Filter Loading by PM2.5 and Bimodal Aerosols**

David Pui, Ph.D., Distinguished McKnight University Professor,
University of Minnesota



Learn the detailed test results of factors that affect filter loading behaviors, so you can more precisely predict the lifetime of the filters used in ambient and indoor conditions.

» **PM-Based Filter Efficiencies and Ratings**

Bruce McDonald, Principal, Bruce McDonald Consulting LLC



Learn the methods, value, limitations, and most recent standards used to describe air filter efficiency in the size ranges used in PM 1, PM 2.5, and PM 10 ambient aerosol measurement.

Pure Connections

Meet the filter media manufacturers, raw material suppliers, fabricators, and machinery equipment manufacturers – and potential clients – you need to reach.

5:10 pm - 6:10 pm

Industrial Air Filtration

» Pleated Filter Media as a Direct Replacement for Filter Bags

Jack Clements, Principal, SF Air Filtration

Clements will discuss the financial and performance merits of converting existing industrial air systems from bag filters to pleated filter media. Learn where it's possible to save money and improve the performance of your filtration system.



Image: Clarcor Air Filtration

“

The professionals who participate in the Filtration International Conference & Exposition are creating the news rather than reading about it.

”

– **DON BROWN**, SALES MANAGER,
NAFTA, BONAR

To view the full presentation abstracts, visit inda.org/events/filt15

The Filtration program is subject to change. The opinions expressed during the conference are those of the speakers and not necessarily that of INDA or its Board of Directors.

For questions or to register: Contact Tracie Leatham, + 1 919 459 3726 or tleatham@inda.org

For sponsorship opportunities: Contact Joe Tessari, +1 919 459 3729 or jtessari@inda.org

Wednesday, November 18

8:00 am – 10:30 am

INDA's Nonwoven Filter Media Training Course Day 2



Instructor:
Christine Sun, Ph.D., Principal,
Filtration Technologies International
(Separate fee required. See registration form.)

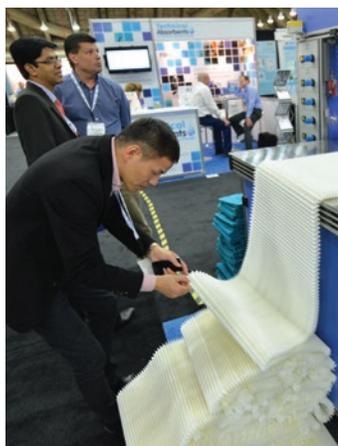
10:30 am – 5:30 pm

Filtration Exposition

5:00 pm – 6:00 pm

Industry Reception

All registered delegates are welcome to attend the industry reception on the show floor.



Thursday, November 19

10:30 am – 3:00 pm

Filtration Exposition

“ *The Filtration Show has become THE meeting point for every aspect of the value chain in filtration. I've always had great success in meeting with our industry leaders and have always left the show with returns much greater than our investments!*

— **PAUL MAROLD**, CHIEF OPERATING OFFICER, SONTARA



EXPOSITION:

Pure Globalization

More than 33% of Filtration2015's exhibitors are international executives.

Among our exhibitors in 2013 - 2015:

A2Z Filtration Specialties Pvt. Ltd.
Abalioglu Teknoloji
ABOX Automation Corp
AFG, USA
AFPRO Filters
Ahlstrom Tampere Oy
Air Techniques International
Allied Group, Inc.
Ameriasia Advanced Activated
Carbon Products Co., Ltd.
American Truetzschler, Inc.
Anping County Anheshing
Hardware Mesh Products Co., Ltd.
Anping Guangtong Hardware Wire Mesh Co., Ltd.
Anping Senming Wire Mesh Co., Ltd.
Arkema
Arvind OG Nonwovens Pvt. Ltd.
Asahi Kasei Fibers
AST – Adhesive Systems Technology Corp
AVINTIV (formerly PGI)
AZCO Corporation
Bayer Faser GmbH
Bayer MaterialScience
Beijing Century Woven Import & Export Corporation
Beijing HJT International Exhibition Co., Ltd.
Bekaert Corp
Beverlin Mfg. Corp
Biax-Fiberfilm Corporation
Blue Heaven Technologies
Bonar Inc.
Branson Ultrasonics Corp
BWG Filtration, Inc.
C & J International, Inc.
Cameron Great Lakes, Inc.
Carbon Activated Corporation
Central Alliance Non-Woven Co., Ltd.
CEREX Advanced Fabrics, Inc.
Chase Machine & Engineering, Inc.
CLARCOR Industrial Air
CNTA
Conversion Technologies International
DelStar Technologies, Inc.
Dexmet Corporation
Dilo Incorporated
D-Mark Inc.
Donaldson Membranes
Dongguan Shining East Filter Material Co., Ltd.
Dongguan Yimao Filter Media Co., Ltd.
Doublewin Company Ltd., Overseas Biz Division
Dukane Ultrasonics
E&H Co., Ltd.
EDANA
ELMARCO, Inc.
Epic Resins
Essentra Porous Technologies Corp
Europlasma N.V.
Fairtech International, Inc.
Fiber Bond Corporation
FibeRio Technology Corp
FiberVisions Corporation
Fil-Tec Inc.
Filtration Technology Systems
Finetex EnE. Inc.
Fi-Tech Inc.
Fontijne Formitt
Franklin Adhesives & Polymers
FT EnE Canada, Inc.

Fybon Industries Limited
General Metals, Inc.
General Tekstil San. Tic.A.S
Glenro Inc.
Global Expanded Metals
Graver Technologies
Gusbi Filtration Machinery
Hangzhou Grace Envirotech Co., Ltd.
Hanson Consulting Group
Hebei HuaLian Filter Equipment Co., Ltd.
Hebei Kanglida Metalnet Co., Ltd.
Helix International
Henkel Corporation
Herrmann Ultrasonics
Hollingsworth & Vose Company
Huntsman Corporation
Ice Industries
Industrial Netting
Innovative Resin Systems Inc.
Intermas Nets SA
International Filtration News
Interplex Etch Logic
IREMA-FILTER GmbH
Items US, LLC
JCEM USA
Jiangxi National Bridge Industrial Co. Ltd.
Johns Manville
Jowat Corporation
JPS Composite Materials
K.J. Filtration Technologies Ltd.
Karl Rabofsky America Corp
Kem-Wove, Inc.
Keystone Filter, A CECO Environmental Company
KSL Keilmann Sondermaschinenbau GmbH
Kunshan Haiyu Filtration and Separation
Laiwu Xingye Filter & Resin Co., Ltd.
Maag Pump Systems
Mahr Metering Systems Corporation
Massman Automation Designs, LLC
Matador Converters Co. Ltd.
Math2Market GmbH
The McIlvaine Company
MGF Gutsche & Company GmbH
Mid Atlantic Industrial Textiles Inc.
Midwest Filtration LLC
MiniFIBERS, Inc.
Mogul Tekstil San. Ve Tic. AS
MÖLLER GmbH & Co. KG
Nanoscience Instruments, Inc.
National Air Filtration Association
Neeah Gessner GmbH
NETZSCH Pumps North America, LLC
Ningbo Changqi Porous
Membrane Technology Co., Ltd.
Nitto Denko America, Inc.
Nonwovens Industry Magazine
Norddeutsche Seekabelwerke GmbH
Nordson Corporation
Nordson SEALANT EQUIPMENT
Oak Hills Carton Co.
Oerlikon Textile GmbH & Co. KG
Onyx Specialty Papers, Inc.
P2i Limited
Paint Pockets Company
Palas GmbH
PFP, LLC
Phifer Incorporated

Polimeros y Derivados S.A. de C.V
Polyset Company Inc.
Porvair Filtration Group Ltd.
Potdevin Glue Machine Company
Quantachrome Instruments
R.P. Fedder Corporation
RAMPF Group, Inc.
Recruiter Solutions International
Reliance Tool & MFG
The Reynolds Company
Sandler AG
Schenk Vision LLC
Shandong Taipeng Nonwovens Co., Ltd.
Shandong Xinli Environmental
Protection Materials Co., Ltd.
Shanghai Changbo Industrial Co. Ltd.
Shanghai Everspring Filtration Technology Co., Ltd.
Shanghai Feng Cheng Machinery
Engineering Company, Limited
Shanghai Hawk Filter Co., Ltd.
Shanghai Lingqiao Environmental
Protection Equipment Works Co., Ltd.
Shanghai UnionMesse Exhibition Service Co., Ltd.
Shenzhen China Textile Filters Co., Ltd.
Shijiazhuang Chentai Filter Paper Co., Ltd.
Sonderhoff USA
Sonobond Ultrasonics
Southern Felt Company, Inc.
Southern Fiber, Inc.
Spunfab, Ltd.
Sterling Nonwovens
Stockmeier Urethanes USA, Inc.
Superior Felt & Filtration, LLC
Suzhou HuiLong Purifying Filter Co., Ltd.
Suzhou Meeko Environmental Technology Co., Ltd.
Tailored Chemical Products
TaiZhou RunYuan Filtration
Engineering Equipment Manufactory
Technical Absorbents Ltd.
Testori USA, Inc.
Tex Tech Industries
Texel Inc.
Tiantai South-West Filter-Cloth Factory
Topas GmbH
Toyobo Kureha America Co., Ltd.
Transportation Insight, LLC
TSI Incorporated
TTG, Inc.
Tufco
U.S. Pacific Nonwovens Industry Ltd.
Varbros, LLC
Ver-Mac Industries, Inc.
Wallner Expac
Wenzhou Changlong Textile Technology
Wenzhou Dejia Filter Machine Co., Ltd.
Wenzhou Hongchang Non-woven Co., Ltd.
Xi'an Filter Metal Materials Co., Ltd.
Xinhua Share Co., Ltd.
Yingkou Haiso Environmental Filter Materials Co., Ltd.
Yixing Poming Environmental Equipments Co., Ltd.
Yuanchen Environmental Protection
Technology & Science Co., Ltd.
Yueqing Sailaoqi Gauze Filter Co., Ltd.
Zene, LLC
Zhejiang Heading Environment Technology Co., Ltd.
Zhejiang TianYuan Filter Cloth Co., Ltd.
Zhejiang Yubang Filter Material Technology Co., Ltd.

Hotel Information

The Loews Chicago Hotel, The W Lakeshore Chicago Hotel, Embassy Suites Chicago Downtown Lakefront, and Doubletree by Hilton Chicago are pleased to provide specially priced rooms for Filtration2015.

Reservations are required through INDA. Contact Andreana Leach, at aleach@inda.org or +1 919 459 3724, or you may also reserve your hotel online by visiting inda.org/events/filt15

To make a reservation, please provide Andreana with a reservation form that includes your arrival date, departure date, credit card number, and expiration date along with choice of one hotel from the four options provided. In the event your first hotel choice is sold out, please provide a second, third and fourth hotel choice.

Hotel rates are non-commissionable and room reservations may be made at this rate as long as rooms are available in the group block. We have a limited amount of rooms and reservation requests are processed in the order in which they are received, so we encourage you to please submit your request as soon as possible.

PLEASE NOTE: Submitting your hotel reservation by the deadline does not guarantee that a room will be available in the group block at the group rate.

Room block hotel reservation deadline date:

October 16, 2015

INDA, the Association of the Nonwoven Fabrics Industry, serves hundreds of member companies in the nonwovens/engineered fabrics industry in global commerce. Since 1968, INDA events have helped members connect, learn, innovate, and develop their businesses. INDA educational courses, market data, test methods, consultancy, and issue advocacy help members succeed by providing them the information they need to better plan and execute their business strategies.

For more information, visit www.inda.org, or download the **INDA mobile app** for immediate updates.

REGISTRATION FORM

Expo: November 18-19, 2015 | **Conference:** November 17, 2015 | Navy Pier | Chicago, Illinois

To register for Filtration 2015, please complete the form below. Copy this form for additional registrations, or register online at inda.org. By registering early, you qualify for significant savings from the regular registration fee.

Last Name/Surname _____ First Name _____

Job Title _____ Organization _____

Address _____ Website _____

City _____ State _____ Zip _____ Country _____

Telephone _____ Fax _____ Email _____

INDA will publish your email address on the official event attendee list. If you do not wish to have your email address published, please check the box

Please make selections in each section for us to process your registration.

Your Organization's Primary Affiliation with the Nonwovens Industry (check all that apply):

- | | | | |
|--|---|---|--|
| <input type="checkbox"/> Nonwoven Producer/Supplier | <input type="checkbox"/> Supplier of Other Materials (Films, Tapes, Netting) | <input type="checkbox"/> Association | The Filtration app will match your interests to select Exhibitors. Check the categories below to be introduced. |
| <input type="checkbox"/> Converter/Fabricator/End Product Manufacturer | <input type="checkbox"/> Supplier of Services (Transportation, Logistics, Software) | <input type="checkbox"/> Academic Institution | |
| <input type="checkbox"/> Brand Owner/Brand Marketer | <input type="checkbox"/> Wholesaler/Retail Distributor | <input type="checkbox"/> Government | |
| <input type="checkbox"/> Machinery/Equipment Manufacturer/Supplier | <input type="checkbox"/> Third Party Testing, R&D, Pilot Lines | <input type="checkbox"/> Press/Publishing | <input type="checkbox"/> Adhesives/Binders/Sealants/Resins |
| <input type="checkbox"/> Supplier of Adhesives, Binders & Chemicals | <input type="checkbox"/> Consulting | <input type="checkbox"/> Other | <input type="checkbox"/> Fibers |
| <input type="checkbox"/> Supplier of Resins, Fibers & Pulps | | | <input type="checkbox"/> Ultrasonics/Hot Melt/Welding |
| <input type="checkbox"/> Supplier of Paper & Packaging | | | <input type="checkbox"/> Netting/Plastic/Metal |

Primary Title or Job Function (check only one):

- | | | |
|---|--|---|
| <input type="checkbox"/> Principal/CEO/President/Senior Leadership | <input type="checkbox"/> Purchasing | <input type="checkbox"/> Human Resources |
| <input type="checkbox"/> New Business/Product Development/Tech. Scout | <input type="checkbox"/> Account Manager/Sales Management | <input type="checkbox"/> Information Systems |
| <input type="checkbox"/> Director/Division Management | <input type="checkbox"/> Consultant | <input type="checkbox"/> Press/Editorial |
| <input type="checkbox"/> Manufacturing/Production/Operations Management | <input type="checkbox"/> Marketing/Product Management | <input type="checkbox"/> Press/Other than Editorial |
| <input type="checkbox"/> Quality Control/Assurance Engineering | <input type="checkbox"/> Engineering/Applications/Process | <input type="checkbox"/> Government |
| <input type="checkbox"/> Research & Development | <input type="checkbox"/> Financial Accounting/Comptroller/Business Analyst | <input type="checkbox"/> Academic – Faculty |
| | <input type="checkbox"/> Office Manager/Administrative Assistant | <input type="checkbox"/> Academic – Student |

Registration Fees*

	Through October 12		October 13-30		After October 30	
	INDA Members	Non-Members	INDA Members	Non-Members	INDA Members	Non-Members
INDA Filter Media Training Course (separate fee required) Tuesday 8:30 am – Wednesday 10:30 am	<input type="checkbox"/> \$ 1,495	<input type="checkbox"/> \$ 2,095	<input type="checkbox"/> \$ 1,495	<input type="checkbox"/> \$ 2,095	<input type="checkbox"/> \$ 1,495	<input type="checkbox"/> \$ 2,095
Filtration Conference & Expo	<input type="checkbox"/> \$ 399	<input type="checkbox"/> \$ 569	<input type="checkbox"/> \$ 479	<input type="checkbox"/> \$ 679	<input type="checkbox"/> \$ 529	<input type="checkbox"/> \$ 739
Filtration Expo Only 2 Day (Wednesday & Thursday)	<input type="checkbox"/> \$ 70	<input type="checkbox"/> \$ 70	<input type="checkbox"/> \$ 80	<input type="checkbox"/> \$ 80	<input type="checkbox"/> \$ 100	<input type="checkbox"/> \$ 100

* Conference & Expo Fee includes admission to the conference and admission to the 2-day Expo, admission to the Wednesday reception, conference proceedings and the Filtration Show Directory.

Payment (full payment must accompany this registration)

- MasterCard VISA AMEX Check/Money Order (in U.S. funds and drawn on U.S. bank, payable to INDA)

Total Enclosed \$ _____ Card # _____ Card Expires _____ / _____ CVV Code _____
(month) (year)

Billing Zip Code _____ Phone or Email _____ Signature _____

- Wire Transfer (for instructions, please contact Tracie Leatham, tleatham@inda.org, or call + 1 919 459 3726)

For all wire transfers, please reference Filtration 2015 and attach confirmation.

- Please check here if you have a disability that requires special assistance or accommodation to fully participate.

NOTE: Please attach a written description of your needs. INDA must receive all special assistance requests by October 12, 2015 in order to accommodate.

How did you hear about Filtration 2015?

- Email Print Brochure Referral Friend/Colleague Print Ad Other _____

NOTE: Cancellations must be in writing and received by INDA before October 12, 2015. No refunds for cancellations received after October 12, 2015.

Pre-register online at inda.org or send this form with payment or credit card information to the following address:

Filtration 2015
PO Box 1288
Cary, NC 27512-1288

Phone: + 1 919 459 3726
Domestic Fax: + 1 866 847 7922
International Fax: + 1 919 636 7908
Email: tleatham@inda.org





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the minute. Get your front row seat.**

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RETURN SERVICE REQUESTED

Co-located with the INDA's Nonwoven Filter Media Training Course
Tuesday - Wednesday, November 17-18, 2015 (separate fee required)

REGISTER BY OCTOBER 12 AND SAVE!
Full Conference And Registration Details Inside.

Pure Opportunity

Connect with major industry breakthroughs at the Industry's
Premier Filtration International Conference & Exposition.

Filtration2015

INTERNATIONAL CONFERENCE & EXPOSITION

