

5th INTERNATIONAL FILTRATION CONFERENCE

Osaka, Japan

November 7 - 8, 2006

**FILTRATION TECHNOLOGIES FOR INCINERATORS IN JAPAN
NANOFIBER MEDIA – ACTIVATED CARBON FILTER MATERIALS, NEWEST
STATE-OF-THE-ART TECHNOLOGIES HEPA AND TRANSPORTATION FILTER, -
WORLDWIDE-**

Speakers From: P.R.O.CHINA, Taiwan ROC, USA, Canada, Austria, Switzerland and Japan

Organizer:
FILTER MEDIA CONSULTING, INC.
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Supporters:
JAPAN AIR CLEANING ASSOCIATION
ALL NIPPON NONWOVENS ASSOCIATION
THE ASSOC. OF POWDER INDUSTRY & ENGINEERING, JAPAN



November 8, 2006

Registration: 8:45 AM

Conference: 9:00 AM - 4:00
PM

November 7, 2006

Registration : 8.30 am

Conference: 9.30 - 5.00 pm

November 8, 2006

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Conference : 9.00 am - 4.30 pm

This is our 5th. International Conference in Osaka. Previous conferences were held in 1995, 1997, 2000 and 2003 and attracted more than 600 attendees from 10 different countries. We expect again many delegates from Japanese end-user companies, manufacturers of filter media and filtration equipment, engineering companies, and companies manufacturing fibers for filtration materials. Our speakers are coming from 8 different countries.

This year we have again decided to concentrate on two major topics and also allow attendees to register for the entire conference or only separately for **day one** or **day two**. Japan has approximately 1,400 incinerator installations of which almost all are now associated with a baghouse system. Virtually all high temperature fibers, including aramid fibers, PPS fibers, P-84, PTFE and woven glass materials are currently being used by operators of such systems. In addition, 'catalytic filter bags' are being successfully used; results and specific details are subject of one very unique presentation.

On **day two**, we want to concentrate on microfiber meltblown, electrostatically charged and most importantly nanofiber products and developments. The use of nanofibers will be significant in years to come. We also address electrostatically charged filter media, activated carbon media for odor removal and automotive advancements, glass and synthetic fibrous filter comparisons. HEPA and ULPA testing, cabin air filtration are additional topics. This conference offers a wealth of information on numerous other filtration topics. Please visit our web site: www.filtermedia-consulting.com. The attendance is limited to a maximum of 180 persons.

PROGRAM

THE PRODUCTION AND APPLICATION OF BAGHOUSE FILTERS IN CHINA.

Yanxi Wang, CNTA Shanghai/ China

Liu Shu-ping, SHANGHAI BG, Shanghai/China

An overview of the fast growing market in China will be discussed and the unique requirements in a rapid challenge to many pollution control issues in numerous industries are the subject of this presentation.

REMEDIA® - CATALYTIC FILTRATION: AN EMERGING TECHNOLOGY FOR DIOXIN REDUCTION IN BOTH GAS AND SOLID PHASE.

Dr. Zach Xu, W.L.GORE & ASSOCIATES INC. Elkton MD / USA

The presentation will review and discuss Remedia® catalytic filter systems for dioxin reduction in both stack emission and in fly ash. Currently more than 30 municipal waste incinerators in Japan operate with the Remedia® system. Case histories will be presented.

TEFLON® AND TOYOFLON® FINE FIBERS

Kenko Yamada, TORAY INDUSTRIES, Functional Materials Department, Osaka, Japan

In order to find a solution for tighter environmental regulation, TORAY has recently developed finer fibers for Teflon® and Toyoflon®. We will demonstrate the properties and superiority of these new developments.

BAGFILTERS FOR BIOMASS INCINERATION, TECHNOLOGIES AND TRENDS.

Rudolf Hemmelmayr, INSPEC FIBRES GMBH, Lenzing /Austria

This paper discusses the actual situation of Biomass Incineration, the technology being applied and future trends. Actual case histories and experiences with P-84® and Procon® filter media are presented.

INNOVATIVE HIGH TEMPERATURE NEEDLED FELTS USING NEW FIBER TECHNOLOGIES FOR THE POWER GENERATION, INCINERATION AND STEEL INDUSTRIES.

Jim Greene, AHLSTROM LANTOR LLC. Bellingham MA/USA

Discussed will be the use of newly developed fibers and new manufacturing techniques that have been employed to resolve some of the fiber supply problems. These issues are causing global concerns due to the forecasted growth of the Chinese high temperature market.

AERODYNAMIC® FILTER PRODUCED WITH 100% SYNTHETIC FIBER

Shigeki Uehara, AMBIC CO. LTD .Himeji/JAPAN

The Aerodynamic® “ADF” Filter is the name of an air-laid Nonwoven Filter which has been developed by AMBIC and KINSEI SEISHI. ADF is produced with 100% synthetic fibers, and its multi density slope structure has higher efficiency, lower resistance and longer life than conventional filters.

PTFE COATING SERIES 90 - A SUCCESSFUL STORY

Hitoshi Inuzuka, ASAMASU CO. LTD. Nagoya/ JAPAN

Heribert Kurth, HEIMBACH GMBH&CO KG, Düren/Germany

Results and experience of the last 15 years are being addressed. SERIES 90 PTFE COATINGS are being applied to the surface of numerous high temperature needled felts to achieve unique results. This paper deals with many aspects of a superior filter material.

SPUNLACE MEDIA IN FILTRATION

Vincent Lorentz, JACOB HOLM INDUSTRIES GMBH, Allschwill/SWITZERLAND

Thanks to the variety of fibers which can be used to manufacture spunlaced filter media, their special texture and good filter performance, hydroentangled nonwovens offer various performance advantages compared to more traditional technologies in filtration, especially in baghouse systems.

NANO-SCALED COATINGS OF FIBERS - NEW OPPORTUNITIES FOR FIBERS AND NONWOVENS IN FILTRATION PROCESSES.

Ralf Jürgens, NANOPOOL GMBH, Heusweiler / GERMANY

By applying a new coating method fibers, felts and Nonwovens show new characteristics and benefits for filtration media. Nano Technology helps to optimize the performance of filter media.

DAY 2 - November 8, 2006

ADVANCES IN PARKER MEMBRANE TECHNOLOGY FOR N₂ SEPARATION ENHANCES THE SAFETY IN MINES AROUND THE WORLD USING A CONTROLLED ATMOSPHERE.

Shashi Parulekar, PARKER HANNIFAN CORP. Troy MI / USA

The Huflexx membrane has created cost effective solutions to preventive control of fines in various industries including mining. This approach is being accepted by mining fire prevention scientists worldwide.

FILTRATION PERFORMANCE OF CHARGED NONWOVEN MATERIALS.

Dr. Kyung-Ju Choi, AAF INTERNATIONAL, Louisville KY /USA

Various nonwoven materials were electrically charged and these nonwovens were investigated by DSC, SEM and long term filtration performance measurements.

THE DIFFERENCE BETWEEN GLASS AND SYNTHETIC FIBROUS FILTER MEDIA.

Dr. Norman Lifshutz, HOLLINGSWORTH&VOSE COMP. West Groton MA/USA

This paper explores the differences between glass fibers and synthetic fibers and the impact these differences have on various aspects of the filtration performance of the resulting filter media.

NEXT GENERATION NANO-NONWOVEN MEDIA.

Chris Shields, FINETEX TECHNOLOGIES INC. Los Angeles CA / USA

Electrospinning is currently the best available technology for producing nano scale polymeric fibers. The process produces nanofibers with diameters from 5nm to 5 micron by applying a high voltage source to a polymer solution or melt. Nanofibers are important in a wide range of filtration applications due to their small size and high surface area.

INNOVATIVE TECHNOLOGIES IN FILTER MEDIA FOR AIR FILTRATION

Dr. Thad Ptak, COLUMBUS INDUSTRIES INC. Ashville OH/USA

This paper reviews filters for portable air purifiers, vacuum cleaners and furnace filters, their operational principles, design and filtration performance. New innovative filter media for these applications are discussed, evaluated and test results are presented.

AEROLACE® - AN INNOVATIVE PROCESS TO MANUFACTURE A HIGH PERFORMANCE ACTIVATED CARBON FILTER MEDIA.

Steven Fu, KJ FILTRATION TECHNOLOGY LTD. Taoyuan Hsien Taiwan R.O.C.

Aerolace® is an innovative aerodynamic process that produces activated carbon filter media without using a binder. It enables optimum utilization of carbon's active surface, thus creating a filter media of high efficiency and low pressure drop characteristics.

THE DIFFERENT STANDARD TEST METHODS FOR CABIN AIR FILTERS IN JAPAN, USA AND EUROPE.

Dr. Heinz Reinhardt FREUDENBERG VLIESTOFFE KG, Weinheim/Germany
Satoru Kobori JAPAN VILENE COMPANY LTD. Tokyo/Japan

A comparison of these important standard test methods are being discussed and also compared. They become more important as international suppliers are adjusting to different market conditions.

HEPA AND ULPA TESTING AND CURRENT DIRECTIONS IN TEST STANDARDS.

Dr. R. Vijayakumar, TSI INC. Shoreview MN / USA

Theory of Filtration underlie most test standards. However standards around the world are not identical, we will address EUROPEAN and IEST standards and the current effort to write a new ISO Standard will be examined.

TRIBO: AN EXPERIMENTAL APPROACH

Richard Auger, TEXEL, a Division of ADS INC. Saint-Elzear/CANADA

Using experimental empirical models to comprehend complex Triboelectric filtration mechanisms to achieve better product performances, better quality and less compromise on the desired properties.

THE GROWING USE OF SYNTHETIC MEDIA IN TRANSPORTATION FILTRATION

Jerome Barrillon, Ashish Mathur, AHLSTROM, Windsor Locks CT/USA

Increasingly, nonwovens have found new applications in engine filtration, responding to both performance and market requirements. We will cover these topics and AHLSTROM's offering, from both a technical and a market point of view.

The final program may vary from this invitation. Attendance is limited to a maximum of 180 persons. We suggest to register early!

REGISTRATION FORM

5.INTERNATIONAL CONFERENCE OSAKA/ JAPAN November 7, 8 - 2006

(Please use one registration form for each participant and email/ send to:)

FILTER MEDIA CONSULTING, INC.
P.O. Box 2189
LaGrange, GA 30241
Fax: 706/882-3039 (on demand only)
Email: fmclutz@mindspring.com

COMPANY:

NAME: First: _____ Last: _____

EMAIL ADDRESS: _____

WEBSITE _____

ADDRESS: _____

CITY/STATE/ZIP: _____

COUNTRY: _____

TELEPHONE: _____

FAX: _____

FEES: Registration fee \$545.00 for 2 day conference
Registration fee for 1 day only \$ 320.00

Full payment must accompany this registration. You may send a check in US currency or arrange for a bank/wire transfer. **Please add \$15.00 for bank/wire transfer.** Cancellations must be in writing and prior to October 10, 2006. A cancellation fee of \$ 50.00 applies. No refunds or cancellations after October 10, 2006. Substitutions are possible at all times.

BANK INFORMATION:

BANK OF AMERICA
ACCOUNT# 0032-805-15-612
Routing (ABA) # 0260-0959-3
Main Street, P.O. Box 1309
LaGrange, GA 30241 USA

PLEASE INDICATE PAYMENT METHOD:

Check Enclosed/Mailed for: \$ _____

Wire Transfer Arranged or: \$ _____

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USA

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