

Important information for WFC11 Presenters

All Authors must supply 2 versions of their paper/s to be submitted for oral and short oral /poster presentation: A short version (1 page) for publication in the Abstract Book and long version (6-18 pages) for electronic publication.

Strict deadline date December 16, 2011

Version 1

The first one is a **1 page abstract** which will be published in the WFC11 Abstract Book.

It should contain:

- Title
- Presenters
- Background
- Aim
- Method
- Main results
- Keywords

Please follow the format of the sample page and use the keywords from the WFC11 Keyword list only to allow indexing of your paper.

Version 2

The second version is a **6-18 pages version** which should include the abstract as a first page. It will be published electronically (CD/USB-stick). The length of the paper can vary between 5 and 18 pages.

Please note that 6 pages are a minimum. Shorter papers cannot be accepted. If the Congress Secretariat does not receive a new 1 page abstract version the original abstract will be published in the WFC11 Abstract Book.

FORMATING

Prepare on A4 paper (21.0 cm x 29.7 cm) with margins of 2.5 cm

First page (compare sample page):

- Title Arial, 14 pt, capital letters, bold, center aligned
- Author(s) with address Arial, 12 pt, center aligned
- Abstract (approx.100 words) Arial, 12 pt, left- and right-justified
- 5-8 keywords from keyword list Arial, 12 pt, center aligned
- Start with the paper Arial, 12 pt, left- and right-justified
- Use Arial 12 points with single line spacing and left and right justification

It is strongly recommended to use SI Units only Figures, diagrams and tables should be inserted in the appropriate position using the same typing

E-mail both paper versions in a **word format** to info@wfc11.at (**pdf formats are not accepted**)

**DEPOSITION OF NANOPARTICLES IN THE COMPOSITES OF
NANO- AND MICRONSIZED FIBERS**

Title: Arial, 14 pt, capital letters, bold, center aligned

Rafal Przekop and Leon Gradon
Warsaw University of Technology, Department of Chemical and Process Engineering
Po Box

Author(s) with address: Arial, 12 pt, center aligned

ABSTRACT

Filtration is one of the effective methods for removal of particles from the aerosol stream. Development in formation of specific fibrous structures promises of the construction of filters for collection of nanoparticles with high efficiency. Fibrous material operates by capturing aerosol particle on the fibers within the filter depth. The effect of capturing approaching the collector. It depends on the particle and fiber sizes and material properties of both objects. The aim of this paper is the determination of the nonsteady-state deposition of nanoparticles on the system of two fibers, namely nano- and micronsized, for different geometrical configurations of both fibers.

Abstract: (approx. 100 words) : Arial, 12 pt, left- and right-justified

KEYWORDS

Filtration, Simulation, Nanoparticles, Nanofiltration

Keywords: Arial, 12 pt, center aligned

1. Introduction

Collection of nanoparticles in the particular steps of the technology of their production, and purification of the air at the workplace and atmospheric environment, requires of the efficient method of separation of particulate matter from the carrier gas.

Paper: Arial, 12 pt, left- and right-justified

Filtration is one of the effective methods for removal of particles from the aerosol stream. Development in formation of specific fibrous structures promises of the construction of filters for collection of nanoparticles with high efficiency. Fibrous material operates by capturing aerosol particle on the fibers within the filter depth. The effect of capturing is of the result of deposition and re-entrainment of particles approaching the collector. It depends on the particle and fiber sizes and material properties of both objects.

There are many papers published recently, in which the deposition of particles on fibrous collectors is considered, using classical continuum approach for description of the process. Such an approach cannot be used for the cases when nanofibers form the filtration mat composite with micronsized fibers. Some specific behavior during

2. Method

Collection of nanoparticles in the particular steps of the technology of their production, and purification of the air at the workplace and atmospheric environment, requires of the efficient method of separation of particulate matter from the carrier gas.

WFC11 PRESENTATION MODES

- All papers at WFC11 are oral or short oral plus poster presentations.
- Short oral presentations (5 min) in the session rooms are followed by presentations in front of the posters directly after the sessions. Presenters in these sessions must bring a poster and are requested to set up the poster upon their arrival. The poster handling guidelines are found in the paragraph -> "Poster Handling".
- All other sessions are 20 minute presentations.
- Presentations will be placed into groupings based upon many factors. Groupings are mostly into closely related subject areas but sometimes more unrelated subject areas may be grouped together.
- Each session will have a session chairman that will be in charge of the session. The Chairman is responsible for keeping the session on time. The session chairman may interrupt a speaker or anyone else in the room to keep control of the session and to make sure that each presentation ends at its proper time. Timing is important since people may want to move from session to session. So, each presentation must start and end at ITS APPOINTED TIME. NO EXCEPTIONS WILL BE MADE. Moreover, if a presenter is not present at the start of his/her presentation time, the Chairman will call a recess so that the next speaker will start at the appointed time.

PRESENTATION GUIDELINES

- All speakers must contact their session chairman in the congress room prior to their session
- 20 minute oral presentations are 20 minute presentations in the session room followed by 2 to 3 minutes Questions & Answers. The last two minutes are used for participants to move from room to room if they wish. Under all circumstances, each presentation MUST END after 23 minutes.
- Short oral presentations consists of 5 minutes presentations in the session room followed by individual presentations of the authors in front of the posters directly after every short oral/poster session. Authors with a short oral/poster presentation are asked to be present in front of their poster after their session and if possible during Congress breaks.

POSTER HANDLING GUIDELINES

- The maximum size of each poster is 90 cm wide and 1.20 m high
- All posters should include the abstract
- The lettering should be readable from a distance of 1 m
- Please bring your poster with you and put it up on the April 16, 2012 from 4:00 - 6:00 pm or latest on April 17, 2012 by 9:00 am
- The Organizer will provide material to set up the posters on poster walls. Power Strips can be collected at the registration desk. Posters should not be taken off until the end of the congress April 20 1 pm. All posters still hanging after 3 pm may be disposed off. So if you would like to take it home please collect it between 1 pm and 3 pm.

TECHNICAL EQUIPMENT

- Congress rooms are equipped with large screen projectors for PC presentations
- You can check your A/V presentation before the session in the Congress room
- A PC laptop is available in each conference room.

POWER POINT GUIDELINES

Slide Development Steps:

- Repeat design elements on each slide: layout, color scheme, & bullet style

- Keep titles and text spaced consistently.
- Be brief; use bullets not sentences. No Paragraphs
- Limit lines to 6-8 per slide.
- Leave space between lines for easier reading.
- Keep the typeface consistent.
- Limit to 2 typefaces in presentation.
- Arial is recommended.

Use common fonts to avoid problems. Some of the most common fonts are: Arial, Times/Times New Roman and Courier.

- Avoid using all CAPS, except on title slide.
- Use Bold, Italics, or Color for emphasis.
- High contrast color for titles and text is easier to read.
- White or yellow on dark backgrounds.
- Black or dark blue on light backgrounds.
- Avoid busy backgrounds.

Graphics, Tables and Photos:

- Limit your Images to 1 per page
- Make images acceptable file size
Images can be processed of the smallest file size possible while still retaining acceptable quality... Reduce color depth by reducing the number of colors in the image. Many Scanned images or digital camera images have 16 million colors (eye sees about 256) by reducing the "color depth" the file size is exponentially reduced.
Physical size of the image can also be reduced to the true size of your PowerPoint slide. This will reduce file size by the same percentage you reduce the image. Approximate size of a PowerPoint slide is 7.5"x10".
- Don't make graphics complicated and avoid thin lines. Use bold and thick lines, dashes, dots.

Animation and Special Effects:

- Avoid using Special effects; they can be distracting for the viewer. If used they should have a purpose, such as to enhance or promote the point you are trying to make.

REGISTRATION

You must register for the WFC11 Congress in order to make a presentation. Presenters do register at the reduced early bird rate even after December 31, 2012. Please note that the early bird rate for presenters will apply although it is no longer shown when you register online.

If payment is not made by January 20 papers will not be published in the WFC11 Congress proceedings

If you have any queries before WFC11 please contact :

Suzanne Abetz
Congress Secretariat WFC11
Phone: +49 2132 9357 60
Fax: +49 2132 9357 62
e-mail: info@wfc11.at
web: www.wfc10.at

During the WFC11 Congress please contact the team at the Congress Counter in the entrance hall.

Absorption Filters
Activated Carbon
Activated Carbon Media
Activated Carbon Pleaters
Adhesives
Adhesive Application Systems
Adhesive Application for Filters
Adhesive Dispensers
Adsorption Dryers
Adsorption Filters
Aeration Filters
Aerosol Generators
Aerosol Separators
Aeration Systems
Air Circulation & Purification
Air Conditioning Plants
Air Dryers
Air Filters
Air Filter Media
Air Flow Meters
Air Pollution Samplers
Analyser for Separation Processes
Analytical Instruments
Analytical Centrifuges
Antiscalants
Automatic Filters
Automotive Filters

Bag Filters
Bacteriological Filters
Bag Flush Filters
Ball Valves
Basket Filters
Battery Separators
Belt Filters

Cabin Air Filters
Candle Filters
Carbon Filters
Cartridge Filters
Centrifugal Filters
Centrifugal Filters
Ceramic Separators
Ceramic Membranes
Chamber Filter Elements
Clarifiers
Classifiers
Cleanroom Filters
Coalescer Media
Coalescers
Coated Filters, antibacterial
Conditioning Agents
Compressed Air Dryers
Conditioning Agents
Coolant Filters
Core Tubes
Crosscutter
Cutting Systems
Cyclones

Data Control Systems
Debottlenecking of SLS Processes
Decanters
Dedusters
Demisters
Deodorization
Dewatering Equipment
Diatomite
Differential Pressure Transmitters
Disc Filters
Disposable Filters
Drinking Water Filters
Droplet Generators
Drum Filters
Dryers
Dust Collectors
Dust Generators

Dust Measuring Devices
Dust Samplers
Dust Filters
Edge Element Filters
Effluent Filters
Electrocoagulation Systems
Electronic Pleaters
Electrostatic Precipitators
Expanded Metal

Fabrics for Screens
Filter Aids
Filter Bags
Filter Bags from Metal Felt
Filter Cartridges
Filter Centrifuges
Filter Cloths
Filter Disc
Filter Elements
Filter Fabrics
Filter Felts
Filter Media
Filter Media Design
Filter Media for Liquids
Filter Media for Gases
Filter Media Testing
Filter Monitors
Filter Moulding Material
Filter Pads
Filter Plates
Filter Presses
Filter Pulp
Filter Seaming Machines
Filter Test Rigs (Gas/Air)
Filter Textiles
Filter Tube End Caps
Filter Tube Making Machines
Filter Tubes
Filterability Tester
Filtration Plants
Flocculants
Flocculation & Mixing Systems
Flow Meters
Flotation Equipment
Flow Indicators
Fluid Samplers
Fuel Filters
Fuel Filter Media
Fume Filters & Scrubbers

Gas Adsorption
Gas Analysis Devices
Gas Cleaning
Gas Filters
Gas Scrubbers
Gas Mask Filter Production Lines
Gaskets for Filters
Glass Fibre Filter
Glass Fibre Media
Granular Media Filter Systems
Guiding

Hepa Filters
Hepa-/Mini Pleating Machines
High Shear Filtration
Hot-Gas Filters
Hot-Melt Type Adhesives
Hydraulic Filters
Hydraulic Media
Hydrocyclones
Hydrostatic Precipitators

In-Line Filters
Intake Filters
Inverting Filter Centrifuges
Ion Exchange System

Knife Pleaters

Laboratory Filters
Laboratory Mixers
Laboratory Sieves
Laser Diffraction
Latex Filtration
Leaf Filters
Level Gauge Filters
Lubrication Oil Filters

Magnetic Filters
Magnetic Separators
Material Testing Equipment
Media for Oil-/Mist Separators
Media for Oil-/Water Separators
Medical Filters
Membrane Bioreactors MBR
Membrane Cleaner
Membrane Manufacturing
Membrane Presses
Membranes
Meshes, Metal
Meshes, Synthetic
Metal Cloth
Metal Expander
Metal Fibre Mats
Metal Separators
Micro Strainers
Microfiltration
Mist Collectors
Mist Eliminators
Multiple Filter Systems
Multiple Web Pleating Lines
Multiple Web Slitting Systems

Nanofiltration
Nano Media
Nanoparticle Analysis
Nanoparticle Generation
Nanoparticle Measurement
Non-Wovens
Non-Wovens, Meltblown
Non-Wovens, Spunbonded
Nutsche Filters

Odor Removal Filters
Oil Filter Media
Oil Filters
Online Distribution Analysis
Online Particle Analysis
Online Shape Analysis
Online Size Analysis
Ozone Equipment

Paint Filters
Panel Filter Lines
Paper Media
Particle Counters
Particle Filters for Diesel Engines
Particle Measuring Methods
Particle Recovery Units
Particle Size Analysis
Particle Size Distribution Analysis
Peeler Centrifuges
Perforated Metals
Perforation Presses
Pervaporation
Pleating Machines
Porous Ceramics
Porous Filter Media
Porous Metals
Porous Plastics
Porosimeters
Powder Classifiers
Powders
Precipitators
Pre-Cleaning Filters
Precoat Filters
Pressure Disc Filters
Pressure Drum Filters

Pressure Filtration/Dewatering
Pressure Leaf Filters
Pressure Plate Filters
Pressure Transmitter
Pretreatment Chemicals
Product Recovery Units
Pulp Filters
Pumps
Purifiers

Radial Cartridge
Reusable Filter Media
Reverse Osmosis
Rotary Pleaters
Rotary Vacuum Filters
Rotary Membrane Filters
Rotation Filtration

Sampling Equipment
Sampling Valves
Sand Screens
Screening Machines
Screen Centrifuges
Screw Presses
Scrubbers
Sealants
Sedimenters
Sediment Characterization
Sedimentation Equipment
Self Cleaning Filters
Separation Analysers
Separators
Separators - Magnetic
Separators - Oil/Mist
Separators - Oil/Water
Separators - Solid/Liquid
Sewage Sludge Filters
Sieves
Simulation
Single Sheet Pleaters
Slitter
Slitting Tools
Sludge Dewatering
Spiral Dewatering
Stainless Steel Filters
Sterile Air Filters
Strainers
Surface Analysers

Table Filters
Technical Textiles
Test Rigs
Thickeners
Tower Presses
Tube Presses
Tube Rolling Machine
Tube Filters

Ultrafiltration
Ultrasonic Slitting/Cutting
Ultrasonic Welding
Unit Collectors, Dust

Vacuum Disc Filters
Vacuum Drum Filters
Vacuum Filters
Valves
Vapour Filters
Ventilators

Waste Water Filters
Water Filters
Wet Collectors
Wettability Analysis
Wire Mesh Laminates, metal
Wire/Wovens
Wirecloth Filters

Zeta Potential Measurement

Congress Registration Form

Congress: April 16-20, 2012

Exhibition: April 17-19, 2012



Return to:
WFC11 Congress Secretariat
Filtech Exhibitions
PO Box 12 25
40637 Meerbusch - Germany
Fax: +49 (0)2132 93 57 62

Congress	Date	Early Bird until 12.12.211	Normal Price from 13.12.2011
<input type="checkbox"/> 4-Day-Congress Ticket	17.-20.04.2012	€ 785,-	€ 915,-
<input type="checkbox"/> 1-Day-Congress Ticket	17.04.2012	€ 360,-	€ 420,-
<input type="checkbox"/> 1-Day-Congress Ticket	18.04.2012	€ 360,-	€ 420,-
<input type="checkbox"/> 1-Day-Congress Ticket	19.04.2012	€ 360,-	€ 420,-
<input type="checkbox"/> 1-Day-Congress Ticket (1/2 day)	20.04.2012	€ 290,-	€ 320,-

The 4-day Ticket Congress registration includes

- Congress Proceedings featuring all papers
- Refreshments during breaks and Lunch voucher/s
- Welcome Reception on April 17
- The Congress Party with banquet & drinks on April 19
- Public transport ticket for the City of Graz

- Entrance to the WFC11 Exhibition from April 17-19
- WFC11 Exhibition Catalogue

The day-tickets include proceedings, lunch & refreshments and the public transport ticket, Welcome Reception on April 17, entrance to the WFC11 Exhibition from April 17-19, WFC11 Exhibition Catalogue Speakers will be automatically registered at the early bird rate.

Short Courses	16.04.2012	Early Bird until 12.12.211	Normal Price from 13.12.2011
<input type="checkbox"/> Short Course I – The Solid/Liquid Separation Process		€ 470,-	€ 560,-
<input type="checkbox"/> Short Course II – Fine Dust Separation		€ 470,-	€ 560,-
<input type="checkbox"/> Short Course III – Membrane Filtration & Separation		€ 470,-	€ 560,-
<input type="checkbox"/> Short Course IV – Centrifuges for Solid-Liquid-, Liquid-Liquid- and 3-Phase-Separation		€ 470,-	€ 560,-

The Short Course registration includes

- Short Course Notes
- Lunch & Refreshments during breaks
- Entrance to the WFC11 Exhibition
- WFC11 Exhibition Catalogue
- Welcome Reception April 17, 2012
- Public transport ticket for the City of Graz

Pre-/Post Congress Programme (To book for more than 1 person please indicate the number of participants):

- Andritz Plant Tour & Wine Tasting in a typical Buschenschank** Date: 20.04 2012 from 13:00-21:00 h. 58,50 € per person incl.: guide, bus transfer, plant tour to Andritz, wine tasting at Seggau Castle, cold snack and a glass of wine). Persons _____
- Graz City Walk 16.04. 14.00-16:00 h** **Graz City Walk 20.04. 15:00-17:00 h** (9,50 € per person incl. guided walking tour) Persons _____
- Day-Trip to Riegersburg Castle 16.04. 10:00-18:00 h** (81,00 € per person incl.: guide, bus transfer, entrance fee and guided tour at the castle, the elevator up and down the castle hill, cold snack) Persons _____

Participant

Last Name _____ First Name _____ Mr. Mrs. Prof. Dr.

Company/Institution _____

Street/PO Box _____

Post Code, Town, Country _____

Phone _____ Fax _____

E-mail _____

Terms of Payment

- Credit Card Payment** (CVC required) **AMEX** **VISA** **Mastercard**

Card Number: _____ Cardholder verification code (CVC): _____

Cardholder Name: _____ Expiry date (MM/YY): _____

Bank transfer in EURO funds (code: WFC11 & your name) to:

Filtech Exhibitions Germany – Deutsche Bank Düsseldorf – Bank Account: 8818866
– Sort Code: 30070010, BIC/SWIFT: DEUTDEDDXXX – IBAN: DE28300700100881886600

Date: _____

Rules and Regulations

Substitutions may be made at any time but please advise the organizer of a change of name. If you find it necessary to cancel the registration completely, please notify the organizer immediately. Provided written notice is received January 5, 2012 a full refund will be given less a 10% administration charge. Provided written notice is given by February 4, 2012 a 50% refund will be given. It is regretted that no refunds can be given for registration cancelled after this date. The organizers responsibility is limited to the rules and regulations according to the legal regulations. All prices incl. 20% Austrian VAT.

Signature:

With my signature I acknowledge the rules and regulations of the WFC11 Congress.