

# Filter Media

## Training Course

### Agenda

#### Objective:

Develop an overall understanding of nonwovens and their applications in both air and liquid filtration, technologies, unmet needs, and trends for future development.

#### Course will focus on:

- Air Filtration
- Liquid Filtration
- Emerging Technologies in Filtration

#### MONDAY, OCTOBER 9TH

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
<b>8:00 am</b>	<b>Introduction &amp; Objectives</b>	<b>Matt O'Sickey, INDA, &amp; Behnam Pourdeyhimi, Ph.D., NWI</b>
8:30 am	Filtration Market & Market Intelligence	INDA & NWI
10:30 am	Structure of Nonwovens & Why It Matters	Behnam Pourdeyhimi, Ph.D., NWI
11:15 am	Non-uniformity & Defects	Behnam Pourdeyhimi, Ph.D., NWI
<b>12:00 pm</b>	<b>Lunch</b>	
1:00 pm	Modes of Air & Aerosol Filtration	Hooman Tafreshi, Ph.D., NWI
1:45 pm	Media, Performance for Air & Aerosol Filtration	Hooman Tafreshi, Ph.D., NWI
<b>2:30 pm</b>	<b>Coffee Break</b>	
3:00 pm	Overview of Nonwoven Manufacturing Process Technologies & Materials	Behnam Pourdeyhimi, Ph.D., NWI

## TUESDAY, OCTOBER 10TH

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
8:00 am	Product Evaluation & Testing – Air	Behnam Pourdeyhimi, Ph.D., NWI
8:45 am	HVAC – Product Evaluation & Testing: ASHRAE & ISO	Behnam Pourdeyhimi, Ph.D., NWI
9:30 am	Liquid Filtration Principles & Evaluation I	Hechmi Hamouda, Ph.D., NWI
<b>10:15 am</b>	<b>Coffee Break</b>	
10:45 am	Liquid Filtration Principles & Evaluation II	Hechmi Hamouda, Ph.D., NWI
<b>12:00 pm</b>	<b>Lunch</b>	
1:00 pm	Pleating	Behnam Pourdeyhimi, Ph.D., NWI
2:15 pm	Charging Process, Charge Additives, & Measurement	Behnam Pourdeyhimi, Ph.D., NWI
<b>3:15 pm</b>	<b>Coffee Break</b>	
3:45 pm	Membrane Microfiltration	Hechmi Hamouda, Ph.D., NWI
4:30 pm	Wrap-up & Q&A	Behnam Pourdeyhimi, Ph.D., NWI