

## FIBER & FILAMENT EXTRUSION FUNDAMENTALS SHORT COURSE AGENDA

SHORT COURSE – SEPTEMBER 12-14, 2023

### Tuesday, September 12

8:00 am	9:00 am	Registration	All
9:00 am	9:30 am	Introductions and Class Objectives	Dave Nelson, NWI
9:30 am	11:00 am	Introduction to Polymers	Behnam Pourdeyhimi, Ph.D., NWI
11:00 am	12:00 pm	Rheological Properties	Hechmi Hamouda, Ph.D., NWI
12:00 pm	1:00 pm	Networking Lunch	
1:00 pm	2:30 pm	Polymer Characterization	Behnam Pourdeyhimi, Ph.D., NWI
2:30 pm	3:30 pm	Fiber Characterization	Behnam Pourdeyhimi, Ph.D., NWI
3:30 pm	3:45 pm	Break	
3:45 pm	4:15 pm	Fiber Formation and Property Development	Behnam Pourdeyhimi, Ph.D., NWI
4:15 pm	5:30 pm	Multicomponent Fibers, Microfibers, Islands in the Sea Fibers	Behnam Pourdeyhimi, Ph.D., NWI

### Wednesday, September 13

8:00 am	8:30 am	Networking Breakfast	All
8:30 am	10:00 am	Spinning and Processing Operations of Staple Fiber Production	Carl Wust, Ph.D., FiberVisions (ret.)
10:00 am	10:15 am	Break	
10:15 am	10:45 am	Fiber Finish	Carl Wust, Ph.D., FiberVisions (ret.)
10:45 am	12:00 pm	The Spunbond and Meltblown Processes	Behnam Pourdeyhimi, Ph.D., NWI

This course is presented in partnership with:

**Wednesday, September 13 (Cont.)**

12:00 pm	1:00 pm	Networking Lunch	
1:00 pm	5:00 pm	Fiber Extrusion – Industrial Perspective How to predict and control orientation, minimize shrinkage, and control dyeability	Charlie King, UNIFI (ret.)
5:00 pm	5:30 pm	Lab Review	All
5:30 pm	8:00 pm	Group Reception	

**Thursday, September 14**

8:00 am	8:30 am	Networking Breakfast	
8:30 am	12:00 pm	Fiber Science Lab	Behnam Pourdeyhimi, Ph.D., NWI
12:00 pm	1:00 pm	Networking Lunch	
1:00 pm	2:30 pm	Fiber Testing and Analytical Lab Tour	Amy Minton, NWI
2:30 pm	3:00 pm	Wrap-Up and Q&A	

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