



**COALESCENCE FILTRATION
NANOMATERIALS CONSORTIUM,
The University of Akron**



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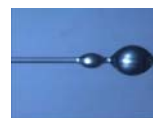
Mission: Conduct fundamental research in the performance coalescence filters and design of filter media, including the development and application of nanofibers.

Scope: The research scope includes theory, modeling, and experiments on capture and coalescence of micron and nanometer size drops and particles in non-woven filter media made of micron and nanometer diameter fibers; methods of nanofiber generation and construction of non-woven media with nanofibers; liquid-liquid and gas-liquid coalescence.

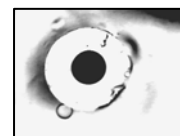
**ELECTROSPUN
NANOFIBERS**



**DROPS ON
GLASS
FIBERS**



COATINGS



Benefits of Membership:

- Free use of technologies developed for the consortium.
- Royalty-free use of patents by sharing in the cost of the patents on technologies developed for the consortium (The University of Akron is the patent owner).
- Learn about new research results before publication.
- Copies of papers, posters, photos, and videos.
- Advise and guide the direction of the research conducted by students.
- Interact with highly motivated and talented students.
- Meet students as prospective employees.
- Forum for easy access to faculty and students.

Membership Requirements:

- Annual membership fee = \$16,500 US.
- Start-up fee (for new member access to all prior technology) \$60,000 US (or equivalent in materials, or instruments, or in-kind). Start up fee may be spread over 3 years.
- Attend semi-annual meetings for review of the research.

CURRENT MEMBERS:

Ahlstrom
Donaldson Company
Cummins Filtration
Parker Hannifin Corporation
MemPro Ceramics