Filtration Research Highlights

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Abstract

An introduction is given of the Technical Session on, “Review of Filtration Research on Nanoparticles and Nanofibers, Agglomerates and Liquid Particle Loading, Bioaerosols and Health”. Most papers presented in the session are supported by the Center for Filtration Research (CFR), consisting of 10 filter manufacturers and end users, at the University of Minnesota. The objectives of CFR are to perform fundamental filtration research and theoretical modeling, to develop improved experimental methods useful for filtration research, filter characterization and filter testing, and to seek new application of scientific knowledge to practical filtration problems. Integrative approach to filtration research is needed to meet the demand of modern filtration requirements. CFR research has impacted environmental, energy, semiconductor and health care industries. The research also trains our students with relevant industrial experience.