

Kenneth L. Rubow

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Kenneth L. Rubow is Vice President and Chief Technology Officer at Mott Corporation. Dr. Rubow joined Mott in 1995 and served for seven years as VP of Engineering and R&D. He is responsible for planning, organizing and guiding technical developments to meet Mott's tactical and strategic objectives. He provides strategic input regarding advanced or emerging technologies, provides technical guidance for product improvements and product developments, and serves as technical liaison with strategic partners. Mott produces sintered porous metal devices used in a variety of industrial applications involving both gases and liquids. These devices, which are used worldwide, include filters, filter systems, restrictors, spargers, diffusers, fluidizers, and metering frits. Industries served include semiconductor, chemical, textile, instrumentation, energy and environmental.

He received his BS, MS and Ph.D. in mechanical engineering from the University of Minnesota. His specialization was particle technology and particulate filtration. Prior to joining Mott in 1995, Dr. Rubow worked at the University of Minnesota in increasingly responsible positions during a 22-year timespan. He was Manager of the Particle Technology Laboratory, Associate Director of the Center for Filtration Research, and Adjunct Associate Professor of Mechanical Engineering. Prior to joining Mott he also was a consultant and expert witness for more than 30 companies and government agencies in areas of particle technology and particulate filtration.

Dr. Rubow is an international expert in the field of particle filtration and aerosol science. He has conducted extensive research for more than 35 years in the areas of particle technology, aerosol science, air quality and human exposure monitoring. Specific research topics include aerosol filtration, instrumentation for particle generation and measurement, measurement of airborne particulate matter to assess human exposure, measurement of air quality in workplace and ambient atmosphere, air quality measurement in microgravity environments and aboard Space Shuttles. Dr. Rubow has more than 160 technical publications and has edited three books, all dealing with particle technology and filtration. He has five patents covering gas filtration products. In 2005 he received the L. H. Mott Innovation Award from Mott Corporation for outstanding innovation in product development.

He actively participates in ten technical societies, numerous test standard committees and education activities. In 2002 he received the Wells Shoemaker Leadership and Service Award from the Am. Filtration and Separations Society for a lifetime of outstanding leadership and exceptional service. He served on the Board of Directors of two societies and has served on more than 25 society committees, serving as chair in the majority of cases. In particular Dr. Rubow served on the Board of Directors of the Am. Filtration and Separations Society (1991-2007) where he served as Society Chair (1998-99). He was Chair of the 1991 and Co-Chair of the 1998 annual technical conferences. He also served on the Board of Directors of the Am. Assoc. for Aerosol Research (1997-1999). He is a member of numerous ASME and SEMI committees and taskforces, which are responsible for developing test standards for the nuclear, bio-pharm and semiconductor industries. He continues to teach shortcourses and tutorials at the University of Minnesota and numerous technical conferences covering the topics of filtration and particle technology.