

Speaker Profile



Contact Details

Organization Name:
Northeastern University

Address:
360 Huntington Ave.,
334 Snell Engineering,

Town: Boston, MA

County: USA

Postcode: 02115

Phone: (617)373-2992

Fax: (617) 373-2921

Email:
a.busnaina@neu.edu

Website:
www.nano.neu.edu
www.cmc.neu.edu

Ahmed A. Busnaina, PhD

William Lincoln Smith Professor and Director

Northeastern University

Ahmed A. Busnaina, Ph.D. is the William Lincoln Smith Chair Professor and Director of NSF Center for Microcontamination Control and the Nanomanufacturing Research Institute, at Northeastern University, Boston, MA. He specializes in Nanoscale defects removal, mitigation and characterization, chemical and particulate contamination in LPCVD and sputtering processes, particle adhesion and removal, submicron particle transport, deposition and removal in ultra clean environments. He also involved in the fabrication of micro and nanoscale structures and interconnects. He served as a consultant on microcontamination and particle adhesion issues to the semiconductor, pharmaceutical, cosmetic and other industries. He authored more than 280 publications in journals, proceedings and conferences. In addition to more than 80 invited seminars worldwide. He taught more than 30 short courses for semiconductor manufacturing worldwide. He serves on the editorial advisory board of the Semiconductor International Magazine, the Journal of Particulate Science and Technology and the Journal of Environmental Sciences. He authored more than 200 papers He is a Fellow of the American Society of Mechanical Engineers and the Adhesion Society, he won a Fulbright Senior Scholar Award, 1993-94, the 1999 Best Paper Award from ASMC conference and the 1990 Best Paper Award from ASME, 1990 John W. Graham, Jr. Faculty Research Award, 1989, Dow Outstanding Young Faculty Award , 1986 Ralph R. Teetor National Educational Award and numerous Who's Who listings (including Who's Who in the World, Who's Who in America, Who's Who in Science and Engineering)

Dr. Busnaina received his MS and Ph.D. in Mechanical Engineering from Oklahoma State University. He was a Professor, Department of Mechanical and Aeronautical Engineering, Clarkson University for 17 years. He was the director of the Microcontamination Research Laboratory, and the Center for Particulate Control in Process Equipment at Clarkson University for 15 years. He also was a visiting Scientist and a consultant at The Lawrence Livermore National Laboratory. He has also served as a consultant to IBM, Corning, DuPont, GE, Kodak, Motorola, Rockwell International, and Xerox. He has served as a visiting professor at the San Diego State University and the University of Cairo.