

Wei-Ning Wang, Ph.D.

Associate Professor, Department of Mechanical and Nuclear Engineering at VCU College of Engineering

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Aerosol-enabled technologies towards addressing critical challenges in the sectors of energy, the environment, and human health.

Biography

Wei-Ning (Weining) Wang, Ph.D., is an Associate Professor in the Department of Mechanical and Nuclear Engineering at VCU. His research covers a wide range of topics in nanomanufacturing, with a major focus on (aerosol) process development, online measurements & modeling, hierarchical nanostructure formation, in-situ/operando characterization, and heterogeneous catalysis, aiming to solve the fundamental issues, such as nucleation, crystal growth, and self-assembly, as well as transport phenomena (particle, charge, heat, and mass transfers), towards addressing critical challenges in the sectors of energy, the environment, and human health.

Industry Expertise

Chemicals, Education/Learning, Research

Areas of Expertise

Aerosol science and technology, Chemistry and Chemical Engineering, Environmental Science and Technology, Heterogeneous Catalysis, Materials Science and Engineering, Nanotechnology

Affiliations

Senior Member, American Institute of Chemical Engineers (AIChE), Member, American Association for Aerosol Research (AAAR), Member, American Chemical Society (ACS), Member, Association of Environmental Engineering & Science Professors, Member, Materials Research Society (MRS)

Education

Hiroshima University

Ph.D. Chemistry and Chemical Engineering

Nanjing University of Technology

M.E. Materials Science & Engineering

Nanjing University of Chemical Technology

B.E. Polymer Science and Engineering

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