

# **Shawn (Sheng-Chieh) Chen, Ph.D.**

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

Richmond, VA, US

Shawn's research interests include airborne and liquid-borne nanoparticle filtration, NanoEHS, and indoor and urban air pollution control.

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## **Biography**

Sheng-Chieh Chen received Environmental Engineering Ph.D. degree from the Institute of Environmental Engineering, National Chiao Tung University in 2006. During his study for PhD, he focused on various research topics including the sampling and analysis of nanoparticles in urban area, nanopowder manufacturing workplaces and many other ambient environments; 3-D numerical simulations of flow field and gas pollutant dispersion in a real cleanroom and particle transport in a critical orifice and axial flow cyclone; design and calibration of aerosol sampling and control device, e.g. axial nanoparticle cyclones, cascade impactors and the real-time aerosol instruments. He is now interested in the topics of airborne and liquid-borne nanoparticle control and environmental sustainability-related research.

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## **Industry Expertise**

Education/Learning, Research, Nanotechnology

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## **Areas of Expertise**

Nanofiltration and ultrafiltration, Air pollution control, Aerosol sampling and instrumentation, Indoor Air Quality, CFD simulation

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## **Education**

**National Chiao Tung University**

Ph. D. Environmental Engineering

**Tam Kang University**

B.S. Water Resources and Environmental Engineering

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## **Accomplishments**

**MIC-PARTICUOLOGY Excellent Article Award**

An award committee of the Chinese Society of Particuology chooses two most cited articles according to the calculated annual average SCI citation numbers for all articles during the same period.

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