REMPLEX SEMINAR

Modeling and measuring the transport of foam in porous media in the presence of nanoparticles

FEB
23

12:30 P.M. PST

Stevens Institute of Technology is developing and implementing a numerical model to describe the transport of foam in porous media in the presence of nanoparticles. The model was calibrated and validated with laboratory experiments and applied for the analysis of the removal trichloroethylene from low permeability porous media.

In this presentation, Dr. Valentina Prigiobbe will explain the model, show the experimental results, and provide examples of application of foam in the remediation of contaminated sites.

Dr. Prigiobbe is an assistant professor in the Department of Civil, Environmental, and Ocean Engineering at Stevens Institute of Technology in New Jersey. Her research is in particulate processes and flow and transport in porous media with applications to water, energy, and urban hydrology.

Valentina Prigiobbe, PhD

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