

Grad school 101: PhD application do's and don'ts


#PhD101

June 19th, 2014
6:30 pm

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Daniel M. Tartakovsky

Prof. Daniel M. Tartakovsky is a Full Professor in the Department of Mechanical and Aerospace Engineering of University of California San Diego.

His research activity includes mathematical modeling of complex systems, uncertainty quantification, probabilistic risk assessment, stochastic partial differential equations, hybrid numerical algorithms, spatial statistics, data assimilation. He is also interested in multiphase flows, subsurface flow and contaminant transport, well hydraulics, surface water / groundwater interaction, inverse modeling, subsurface imaging, decisions under uncertainty. In addition, we investigate blood flow, microcirculation, intracellular and intercellular transport, bioinformatics, hemodynamics.

Ilenia Battiato

Prof. Battiato is an Assistant Professor at Clemson University. She got her PhD from University of California San Diego.

Her research interests lie in theoretical/computational fluid mechanics and transport processes in crowded environments; multiscale, mesoscale and hybrid methods; effective medium theories; superhydrophobicity and drag reduction; granular matter; multiphase flows; jets breakup. Her research spans a wide range of scales, applications, and modeling techniques including discrete- and continuum-scale models of flow and transport processes in crowded environments, fluidization/jamming of granular matter, non-Newtonian jets, and effective medium theories of laminar/turbulent flows over complex surfaces.

Host: Calogero D. Presti