

Leonardo P. Chamorro

Short Bio

Dr. Chamorro is faculty in the department of Mechanical Science and Engineering in the University of Illinois at Urbana-Champaign. He is also affiliated to the departments of Aerospace Engineering, and Civil and Environmental Engineering. His research interests include experimental fluid mechanics, turbulence, wind energy, marine and hydrokinetic energies, turbulence-structure interaction, particle dynamics, and boundary layer processes. He has published ~70 peer-reviewed articles in leading journals and is serving as Associate Editor of the *Journal of Renewable and Sustainable Energy* and the *Journal of Energy Engineering*, as well as academic editor and member of the editorial board of the journal *Energies*. He is also an active reviewer of about thirty leading peer-reviewed journals. He leads the Renewable Energy and Turbulent Environment group, where developed a versatile experimental approach that combines state-of-the-art techniques, including 2D/3D particle image velocimetry, computer vision, and 3D particle tracking velocimetry.