

Charlotte N. Barbier

R&D Associate, Modeling and Simulation Group
Computational Sciences and Engineering Division
Oak Ridge National Laboratory
Oak Ridge, TN 37831-6085, USA
Phone: (865) 574-5439
Fax: (865) 576-0003
Email: barbiercn@ornl.gov

Charlotte Barbier is a Mechanical Engineering Researcher in the Computational Sciences and Engineering Division at Oak Ridge National Laboratory. Her expertise is in the field of Fluid Mechanics, with experience in computational fluid dynamics (direct numerical simulation, two-phase flow simulation, turbulent flow simulation) and in experimental fluid mechanics (Particle Image Velocimetry, Laser Doppler Velocimetry, hotwire measurements, flow visualizations, high speed camera, image analysis, pressure measurements...).

Dr. Barbier has worked on a variety of fields/industries, including: Hard Disk Drives, Biology, Bio-Inspired sensors, Naval Research, SNS, and ITER.

She has a M.S. in Mechanical Engineering from Centrale Lille, France, and a PhD in Mechanical and Aerospace Engineering from the University of Virginia.