

Salvatore is a chemical engineer with electrochemical engineering background. He obtained a B.S. and a M.S at the University of Bologna, Italy, where he worked on the decomposition of HCOOH via photocatalysis of TiO₂, after which he joined NC State University for a M.S in Chemical Engineering focused on MoS₂ as a electro-catalyst for hydrogen evolution reaction. His PhD work at NC State focused on production of nonwoven webs made of meltblown PVDF. He collaborated with Arkema S.A. to create an efficient nonwoven lithium-ion battery separator. Salvatore's research includes fabrication of separators for Li-Ion batteries made of nonwoven webs and block co-polymers, as well as gel-polymer electrolyte. His achievements in the field secured him a fellowship at the Helmholtz Zentrum in Berlin, Germany, where he will conduct research on polymer separators for solid-state Li-S batteries. After that, he will be joining Eastman Chemical Company for a 4-month internship.

After completion of the PhD program, Salvatore would like to pursue a career in industry. His interests align with a company that shares his values in terms of sustainability, technological advancement, customer focus, employee empowerment and open innovation.

Salvatore is passionate about music and he obtained a M.A. in clarinet from the State Academy of Music in Pesaro. His interests include playing in community bands, baking bread, gardening, skiing.