

Matteo Pasquali is the A. J. Hartsook Professor of Chemical & Biomolecular Engineering, Chemistry, and Materials Science & NanoEngineering at Rice University. Matteo also serves as the Director of the Carbon Hub, a partnership between academic institutions and corporations aimed at co-producing valuable carbon materials and hydrogen from hydrocarbons. At Rice, Matteo also served as Chair of the Chemistry Department, Co-Director of the Carbon NanoTechnology Laboratory, Master of Lovett College and Senate member. After his Laurea (University of Bologna) and PhD (University of Minnesota), Matteo joined Rice in 2000 to start a laboratory on soft materials, which evolved into a key center for the scalable manufacturing and application of carbon nanotubes (CNTs) and graphene materials with enhanced mechanical, electrical and thermal properties. The laboratory houses ~ 15 PhD students and postdocs and targets applications in energy transmission and harvesting, biomedicine, wearables, aerospace, and defense. Matteo has advised over 90 graduate students and postdocs, who are now in industry, academia, national laboratories, startups, and finance. Matteo's work is funded by government (DOE, DOD, NASA, NSF, NIH), philanthropic foundations (Welch, AHA), and private corporations in the energy, automotive, aerospace, electronics, and high-tech sectors. Matteo founded two companies, DexMat (smart CNT materials) and NanoLinea (medical applications of CNT fibers). In 2018-2019, Matteo spent a sabbatical at Shell, where he served as Chief Scientific Advisor. Matteo's work has been recognized by numerous awards, including the NSF CAREER, Goradia Innovation Prize, Schlack Award for Man-Made Fibers, Rice Presidential Mentoring Award, and multiple NASA Tech Brief Awards. Matteo is an elected Fellow of the American Association for the Advancement of Science and of the American Physical Society.