Multifunctional Polymer Nanocomposites

Dr. Emiliano Bilotti¹

¹ School of Engineering and Materials Science, Queen Mary University of London

* e.bilotti@qmul.ac.uk

This presentation will show an overview of EB’s research effort, driven by the vision to apply nanotechnology to polymers. The aim is twofold: i) advancing fundamental understanding of polymer physics and processing and ii) provide polymers with a host of new functionalities, including electrical and thermal conductivity, sensing, gas barrier, fire retardancy, etc., for the benefit of different industries.