



28 MAY 2026, 14:30
ROOM A209 - POLO FERRARI 1, VIA SOMMARIVE 5

How can nanotechnology redefine the next generation of aerospace materials?

This talk presents recent advances in hierarchical nanoengineered composites with enhanced mechanical and multifunctional performance, developed through the integration of aligned carbon nanotubes (A-CNTs) into aerospace-grade materials.

The seminar will explore how these advanced composites can improve thermal and electrical conductivity for applications such as ice protection, damage sensing, and self-manufacturing, among others. Innovative out-of-oven and autoclave-free manufacturing approaches will also be discussed, together with emerging research on nanocomposites, carbon nanostructures, energy storage, and boron nitride nanotubes for space applications.



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Nanocomposites and Hierarchical Nanoengineered
Materials for Enhanced Mechanical and Multifunctional
Performance

DII SEMINAR

