



Seminario di Dipartimento
13/04/2016 aula Parravano (Istituto Cannizzaro) ore 15:00

3D and functional printing

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The seminar is mainly focused on synthesis and formulations of nanomaterial dispersions, and their utilization as “inks” for functional and 3D printing, for a variety of applications. Recent discoveries enabled implementation of these inks in plastics electronics, such as transparent conductors for smartphones and 3D printed circuit boards.

Combining self-assembly processes and printing enabled fabrication of electronic and optoelectronic devices. The functional printing will be demonstrated for several devices, such as touch screens, light sensors, plastic electroluminescent devices and smart windows. Various technologies and materials for 3D printing will be also discussed, including responsive structures and 4D printing.

Proponente Luciano Galantini