

# NANOFORUM 2013

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## **Rome, Italy**

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**Cover image:** The nanotechnology value chain, from the modeling (a) to the market (b), requires the capability of growing a large variety of nanomaterials also with complex architectures (c) and to check them up to the atomistic scale (d).

(a) Density map of the electrostatic potential for the ground-state configurations of two OTS polymers adsorbed at adjacent sites on the hydrogenated (111) Si surface. From Gala *et al.* (Fig. 3). (b) Workwear equipped with gas sensors embedded in the textile and with a wearable electronic unit. Fabrics supplied from Klopman Int.: 75% cotton, 24% polyester, 1% antistatic flame retardant finished (MEGATEC 250N). From Andretta *et al.* (Fig. 7). (c) SEM images of Iron-Oxide nanowires. Assembling of nanowires in bundles (top, white bar of 1  $\mu\text{m}$ ) and parallel nanowires constituting a single bundle (bottom, white bar of 60 nm). From Angelucci *et al.* (Fig. 1). (d) Solid-to-solid phase transformations of nanostructured Selenium-Tin thin films induced by thermal annealing in oxygen atmosphere: A typical HRTEM image (top) from 500°C annealed sample and its enlarged detail (bottom) of a nanocrystal, with two insets reporting the FFT and the matching with the corresponding lattice simulation. From Serra *et al.* (Fig. 5).

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