

Applied nanotechnology : the conversion of research results to products

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Abstrak

Applied nanotechnology takes an integrated approach to the scientific, commercial and social aspects of nanotechnology, exploring :

- The relationship between nanotechnology and innovation
- The changing economics and business models required to commercialize innovations in nanotechnology
- Product design case studies
- Applications in various sectors, including information technology, composite materials, energy, and agriculture
- The role of government in promoting nanotechnology
- The potential future of molecular self-assembly in industrial production

In this 2e, new chapters have been added on energy applications and the role of nanotechnology in sustainability. The section on the safety of nanoproducts has also been updated, and material on funding and commercialization has been updated and expanded, with new case studies illustrating the experience of new startups in a challenging economic environment.