

1. Record Nr.	UNINA9910300409003321
Titolo	Nanotechnology in Construction : Proceedings of NICOM5 / / edited by Konstantin Sobolev, Surendra P. Shah
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-17088-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (491 p.)
Disciplina	620 620.11 620.5 620115 658.26 690.24 691
Soggetti	Building materials Nanotechnology Nanoscience Buildings - Repair and reconstruction Buildings - Maintenance Energy policy Energy and state Building Materials Nanophysics Structural Materials Building Repair and Maintenance Energy Policy, Economics and Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From the Contents: Production, functionalization and performance of nanomaterials: nanoparticles, nanotubes and novel polymers -- Investigation of the internal structure and properties of construction

materials at the nanoscale and relation of these parameters to materials performance at the macroscale -- Instrumentation, techniques, and metrology for nanoscale investigation of construction materials.

Sommario/riassunto

Nanotechnology has already demonstrated surprising potential for improving the performance of construction materials, and many of these recent developments were facilitated by NICOM symposia. The NICOM5 proceedings will cover the emerging opportunities and future use of nanotechnology in construction, and will illustrate the broad potential for application of nanotechnology to challenging problems involving materials and infrastructure.
