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Autore	Odent, Michel
Titolo	A misura di bambino : come l'ospedale può realizzare la nascita senza violenza / [Di] Michel Odent
Pubbl/distr/stampa	Milano : Emme, 1982
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Disciplina	618.4
Soggetti	Parto - Nascita
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Trad. Giovanna Nobile
2. Record Nr.	UNINA9910437813803321
Titolo	Acoustic scanning probe microscopy // Francesco Marinello, Daniele Passeri, Enrico Savio, editors
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Altri autori (Persone)	MarinelloFrancesco PasseriDaniele SavioEnrico
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Soggetti	Scanning probe microscopy
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto

From the contents: Overview of acoustic techniques -- Contact dynamics modelling -- Cantilever dynamics: theoretical modeling -- Finite elements modelling -- AFAM calibration -- Enhanced sensitivity -- UAFM -- Holography calibration -- UFM -- Friction/lateral techniques -- Harmonix -- Scanning microdeformation microscopy (SMM) -- Tip wear -- Comparison with other techniques -- Applications polymer -- Thin films.

Sommario/riassunto

The combination of atomic force microscopy with ultrasonic methods allows the nearfield detection of acoustic signals. The nondestructive characterization and nanoscale quantitative mapping of surface adhesion and stiffness or friction is possible. The aim of this book is to provide a comprehensive review of different scanning probe acoustic techniques, including AFAM, UAFM, SNFUH, UFM, SMM and torsional tapping modes. Basic theoretical explanations are given to understand not only the probe dynamics but also the dynamics of tip surface contacts. Calibration and enhancement are discussed to better define the performance of the techniques, which are also compared with other classical techniques such as nanoindentation or surface acoustic wave. Different application fields are described, including biological surfaces, polymers and thin films.
