

1. Record Nr.	UNINA9910254205903321
Titolo	MEMS and Nanotechnology, Volume 5 : Proceedings of the 2015 Annual Conference on Experimental and Applied Mechanics // edited by Barton C. Prorok, LaVern Starman
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-22458-1
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (113 p.)
Collana	Conference Proceedings of the Society for Experimental Mechanics Series, , 2191-5644
Disciplina	620.5
Soggetti	Nanotechnology Mechanics Mechanics, Applied Nanotechnology and Microengineering Solid Mechanics
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 at the end of each chapters.
Nota di contenuto	From the Contents: Oxide Driven Strength Degradation of (1 1 1) Silicon Surfaces -- Keynote: In situ TEM Nanomechanical Testing -- Poisson's Ratio as a Damage Index Sensed By Dual-embedded Fiber Bragg Grating Sensor -- In Situ High-Rate Mechanical Testing in the Dynamic Transmission Electron Microscope.
Sommario/riassunto	The 16th International Symposium on MEMS and Nanotechnology, Volume 5 of the Proceedings of the 2015 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the fifth volume of nine from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on a wide range of areas, including: Microscale and Microstructural Effects on Mechanical Behavior Dynamic Micro/Nanomechanics In-situ Techniques Mechanics of Graphene Indentation and Small Scale Testing MEMS.