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Nota di contenuto	Balancing -- Blade dynamics -- Case histories -- Cracks in rotating shafts -- Diagnostics -- Electromechanical identification -- Fault identification -- Fluid film bearings -- Gas foil bearings -- Geared bearings -- Magnetic bearings -- Miscellanea -- Modeling and control -- Rolling element bearings -- Rub: rotor to stator contact -- Seals -- Stability -- Supporting structure effects -- Thermal effects.
Sommario/riassunto	This book presents the proceedings of the 9th IFToMM International Conference on Rotor Dynamics. This conference is a premier global event that brings together specialists from the university and industry sectors worldwide in order to promote the exchange of knowledge,

ideas, and information on the latest developments and applied technologies in the dynamics of rotating machinery. The coverage is wide ranging, including, for example, new ideas and trends in various aspects of bearing technologies, issues in the analysis of blade dynamic behavior, condition monitoring of different rotating machines, vibration control, electromechanical and fluid-structure interactions in rotating machinery, rotor dynamics of micro, nano, and cryogenic machines, and applications of rotor dynamics in transportation engineering. Since its inception 32 years ago, the IFToMM International Conference on Rotor Dynamics has become an irreplaceable point of reference for those working in the field, and this book reflects the high quality and diversity of content that the conference continues to guarantee.