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<b>Nota di contenuto</b>	Data-Driven Reduced Order Models for Soft Tissue Mechanics -- Mathematical modelling of ocular fluid dynamics -- Cerebral Aneurysms Modeling and Experiments -- Computational modeling of blood flow -- Energy harvesting from vortex induced vibrations -- Mathematical theory of complex fluids, fluid structure interaction -- Modeling and computations on protein aggregation -- Complex fluid modeling -- Mathematical fluid mechanics -- Math modeling of blood flow -- Computational modeling of flow -- Computational modeling of flow -- Numerical analysis, Fluid dynamics -- Mathematical analysis, Fluid mechanics -- Mathematical modeling.
<b>Sommario/riassunto</b>	This volume examines current research in mechanics and its applications to various disciplines, with a particular focus on fluid-structure interaction (FSI). The topics have been chosen in

commemoration of Dr. Bong Jae Chung and with respect to his wide range of research interests. This volume stands apart because of this diversity of interests, featuring an interdisciplinary and in-depth analysis of FSI that is difficult to find conveniently collected elsewhere in the literature. Contributors include mathematicians, physicists, mechanical and biomechanical engineers, and psychologists. This volume is structured into four thematic areas in order to increase its accessibility: theory, computations, experiments, and applications. Recent Advances in Mechanics and Fluid-Structure Interaction with Applications will appeal to established researchers as well as postdocs and graduate students interested in this active area of research. .

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