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Sommario/riassunto	This book contains 18 papers from the Next Generation Biomaterials and Surface Properties of Biomaterials symposia held during the 2010 Materials Science and Technology (MS&T'10) meeting, October 17-21, 2010, Houston, Texas. Topics include: Biocompatible Coatings; Drug Delivery and Anti-Microbial Coatings; Ceramic and Metallic Biomaterials; Biomaterials for Tissue Engineering; and Surface Modification.