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Nota di contenuto	Title Page; Table of Contents; List of Contributors; Preface; Acknowledgments; 1 Introduction; 1.1 Shape memory alloys; 1.2 Metallurgy of NiTi; 1.3 Thermomechanical Behaviors; 1.4 Actuation; 1.5 Modeling and Simulation; 1.6 Summary; References; 2 Mathematical Modeling and Simulation; 2.1 Phenomenological Macroscale Modeling; 2.2 Micromechanical Modeling; 2.3 Summary; References; 3 SMA Actuation Mechanisms; 3.1 Bias-Type Actuators; 3.2 Antagonistic SM-SM Actuation; 3.3 SM Spring Actuation; 3.4 Superelastic Actuation; 3.5 Multiaxial Actuation; 3.6 Antagonistic SM-Superelastic Actuation 3.7 SummaryReferences; 4 Control of SMA Actuators; 4.1 Introduction to Sliding Mode Control; 4.2 Sliding Mode Control of SMA Actuators without Modeling; 4.3 Model-Based Sliding Control of SMA Actuators; 4.4 Model-Based Backstepping Control of SMA Actuators; 4.5 Summary; References; 5 Fatigue of Shape Memory Alloys; 5.1 Fatigue of Metals; 5.2 Fatigue of SMAs; 5.3 Microstructural Effects; 5.4 Treatment and Postprocessing Effects; 5.5 Other Influential Parameters; 5.6 Examples; References; 6 Fabricating NiTi SMA Components; 6.1 Melting and Casting; 6.2 Hot Working, Cold Working, and Forming

6.3 Machining and Cutting (Subtractive Manufacturing)6.4 Joining; 6.5 Powder Metallurgy; 6.6 Thin Film and Thick Film Technologies; 6.7 Heat Treatments and Shape Setting; 6.8 Finishing and Surface Modification; References; 7 Experimental Characterization of Shape Memory Alloys; 7.1 Introduction; 7.2 Characterization of Physical Properties; 7.3 Mechanical Characterization; 7.4 Microstructural Analysis; 7.5 Summary; References; Index; End User License Agreement

2. Record Nr.	UNISALENTO991003465119707536
Autore	Modigliani, Amedeo
Titolo	Amedeo Modigliani : 1884-1920 / testo di Marco Valsecchi
Pubbl/distr/stampa	[Milano] : Garzanti, [1900-1999?]
Descrizione fisica	1 volume (senza paginazione) : in gran parte ill. ; 17 cm
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