

This volume contains thirteen Invited Lectures to the international conference *Evolution Equations and Materials with Memory*, held in Rome, Italy, July 12-14, 2010. The Conference was devoted to the most recent results concerning evolutive mathematical models with special interest in the field of materials with memory. Many challenging analytical problems are originated by applications in this area, since materials with memory and *smart materials* are more and more widely used in a variety of different technological environments. Crucial physical properties of these materials depend on time also through their whole past history. This peculiar behaviour motivates the use of such materials in various different applications such as biomedical tools, sensors and actuators. The aim of the Conference was to provide an overview of new and interesting analytical results which are originated by this behaviour or which, more generally, appear in mathematical models involving evolutive equations.

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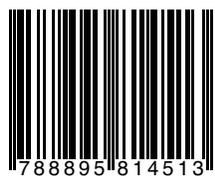
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