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Altri autori (Persone)	KaramaMoussa
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	New Approaches in the Manufacturing Processes; Preface; Table of Contents; Coupling of Adapting Remeshing and Projection Techniques for Numerical Simulations of Forming Processes; Optimization and Identification of the Characteristics of an Hydroformed Structures; Optimization of Tube Hydroforming Process Using Probabilistic Constraints on Failure Modes; Experimental and Numerical Modelling of Thermo-Forming of Anisotropic Thin Sheet; Numerical Modelling of a Composite Fuselage Manufactured by Liquid Resin Infusion Mold Filling Simulation of Resin Transfer Molding Combining BEM and Level Set MethodAn Experimental Investigation of Hot Machining with Induction to Improve Ti-5553 Machinability; Mathematical Cutting Model Based on Experimental Approach: Drilling Application; Modeling of the Superficial Laser Shock Peening Treatment Process: Application on a Titanium Aircraft Turbine Engine Blade; Dynamic Mechanical Properties of Structural Self-Healing Epoxy Resins; In Situ Determination of Glass Transition Temperatures of Epoxy Adhesives in Structural Ceramic Assemblies Mechanical Resistance Improvement of Oxidized Metallic Hollow Spheres StackingPrediction of the Strength of the Adhesively Bonded Joints by the Finite Elements Method; A Force Torsor Analysis for a Turning Process in the Presence of Self-Excited Vibrations; Dynamic Characterization and Predictive Maintenance Concept of Machine Tool

	Spindle; Experimental Study of Dynamic Behaviour of Aluminum/Aluminum and Composite/Composite Double Lap Joints; Keywords Index; Authors Index
Sommario/riassunto	Original contributions to the experimental, analytical and numerical modelling of processes related to advanced materials. Research work may investigate the interactions between the manufacture (machining, forming ...) and behaviour or structures of advanced materials. For damage analysis using non-destructive testing (NDT), new measurement techniques, with or without contact, and the development of new means of process control are always welcome. Improvements in the integrity of structures, cost reduction in manufacturing and increases in productivity lead, for instance, to the substitution o