

1. Record Nr.	UNINA9911019519403321
Titolo	Proceedings of the 11th annual Conference on Composites and Advanced Ceramic Materials : a collection of papers presented at the 11th Annual Conference on Composites and Advanced Ceramic Materials, January 18-23, 1987, Cocoa Beach Hilton, Cocoa Beach, FL. / / sponsored by the Engineering Ceramics Division, the American Ceramic Society ; David C. Larsen, program chair
Pubbl/distr/stampa	Westerville, OH, : American Ceramic Society, c1987
ISBN	9786612314858 9781282314856 1282314858 9780470320402 0470320400 9780470320754 0470320753
Descrizione fisica	1 online resource (522 p.)
Collana	Ceramic engineering and science proceedings, , 0196-6219 ; ; v. 8, no. 7/8
Altri autori (Persone)	LarsenDavid C
Disciplina	620.14
Soggetti	Ceramic materials Composite materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographies.
Nota di contenuto	11th Annual Conference on Composites and Advanced Ceramic Materials; Table of Contents; Correlation Between Ultrasonic Velocity and Density of Ceramic Turbine Blades; NDE and Fracture Studies of Hot-Pressed Si <sub>3</sub> N <sub>4</sub> ; High Frequency Ultrasonic Characterization of Sintered Sic; Characterization of Porosity in Green-State and Partially Densified Al <sub>2</sub> O <sub>3</sub> by Nuclear Magnetic Resonance Imaging.; Characterization of Advanced Ceramics by Thermal Wave Imaging; High-Resolution Computed Tomography for Flaw Detection in Advanced Thin-Layer Ceramics for Fuel Cells; Leaky Plate Waves for NDE of Composites The Value of Metallographic Examination of Ceramics and

Composites Interface Roughness Effect on Stresses in Ceramic Coatings; Thermomechanical Behavior of Plasma-Sprayed ZrO<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub> Coatings Influenced by Plasticity, Creep, and Oxidation; Some Adhesion/Cohesion Characteristics of Plasma-Sprayed ZrO<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub> Under Tensile Loading; Thermal Shock Protection of Dense Alumina Substrates by Porous Alumina Sol-Gel Coatings; An Advanced Ceramic-to-Metal Joining Process.; High Temperature Properties of an Alumina Enhanced Thermal Barrier.  
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Sommario/riassunto

This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.

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