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for Different Clays and Deflocculants; Colors of Chromium in SnO₂-TiO₂-Based Systems; The Structure of Slip-Cast Porcelain Cakes; Sanitary Ware Body Study; Sized Dry Glazes: A Decorating Alternative; California Legislation: Ceramic Legal Developments; Physical Aspects of Glaze Rheology
Tabletop Ware: Concept through Development Testing for Metal Marking Resistance; Lithia in Lead-Free Frits and Glazes; The Role of R&D in the Product Development Process; Roller Hearth Kiln for Chinaware Production; The Influence of Particle Size and Iron Oxide Content of the Clay on Pigment Color; Color Separation Options in Ceramic Glass Decal Manufacture; Worldwide Marketing of Ceramic Tableware with Particular Consideration of the Single European Market; The Challenges of Marketing Tabletop in the 1990s; Successful Marketing of Handcrafted Tableware
Bridal Registry-The Vendor to Consumer Link Tabletop Ware Design and Manufacturing Using CAD/CAM Technology; Design of Glass Tableware with Emphasis on Decorated Tumblers to Coordinate with China; Tabletop Design Education Today; Design of Commercial Chinaware for the '90s; A Designer's View on CAD; Textile Ceramics; Computer Kiln Design; Upgrading with Computers; Predictive Process Control-Computer Programs for Fine Particle Processing Controls; Avoiding Some Pitfalls in Process Data Analysis; Numerical Methods for Ceramic Reformulation
Optimizing Color Development in Glazes Formulated Without Lead for Fast-Fire Systems Color in Lead and Lead-Free Glazes; Practical Problems Encountered in Conversion to Lead-Free Glaze Systems; Electromagnetic Separation of Ferromagnetic Particles from Body Slips, Glazes, Porcelain Enamels, and Pigments; Optimization of Ceramic Glaze Properties by Statistical Experimental Design; Thermochromaticity in Glazed Wall Tile; Preliminary Review of the 1990-91 Sanitary Ware Survey; Advances in Magnetic Separation: Treating Fine High-Purity Material; The Air-Operated, Double-Diaphragm Pump
Economics and Performance of Vibratory Screens

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.
