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feature articles

- Size, Shape and Structure Analysis of Fine Particles

 A new static laser light measurement technique allows characterization of submicron- and nanoscale-sized ceramic particle shape and structure as well as particle size and particle-size distribution.

 S. Manickavasagam, M.P. Mengüç, Z. Drozdowicz and C. Ball
- Permeability of Fiber-Containing Refractory Castables
 Polypropylene, poly(ethylene terephthalate), cellulose, jute and Nomex fibers were added to high-alumina ultra-low-cement refractory castables, and their green and fired permeabilities were determined.
 M.D.M. Innocentini, R. Salomão, C. Ribeiro, F.A. Cardoso, V.C. Pandolfelli, R.P. Rettore and L.R.M. Bittencourt
- Using Surface Area to Solve a Mixing Problem

 Specific surface area measurements were used to determine the relative amounts of flint and nepheline syenite in batch amounts obtained from a storage silo in which the two materials had been accidentally mixed.

 Nikolas Ninos and William M. Carty
- 46 104th Annual Meeting & Exposition
 Ryan Daniels
- Fluoride Emission Factors for Ceramic Wall-Tile Kilns

 Fluoride emissions from ceramic wall-tile industries are measured, and predicted emission factors are determined.

 Tuncay Dogeroglu and Serap Kara
- 3-D Computed Tomography for Testing Ceramic Parts

 A 3-D high-resolution computed tomography system has been developed using an improved Feldkamp algorithm to shorten computation time without a perceptible decrease of image quality.

 Chaozong Zhang, Zhiping Guo, Xiangang Wang, Yahui Peng and Jiemo Tian

Using Galvanized Residues to Produce Enamels and Supports
Scum from chromium and nickel electrodeposition processes is used to produce enamels
and ceramic supports.
R. Stefani, M. Ramos Jr., L.A. Pinto and J.C.Z. da Silva
This feature can be found online at www.ceramicbulletin.org/current.asp

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Online at www.ceramicbulletin.org/section.asp

ACerS Meeting Information

www.ceramics.org

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ACerS Engineering Ceramics Division, 27th Annual Cocoa Beach Conference & Exposition on Advanced Ceramics & Composites in conjunction with the Electronics Division, Cocoa Beach, Fla. Jan. 26–31, 2003

ACerS 105th Annual Meeting and Exposition, Nashville, Tenn., April 27–30, 2003

THE AMERICAN CERAMIC SOCIETY BULLETIN COVERS NEWS AND ACTIVITIES OF THE SOCIETY AND ITS MEMBERS, INCLUDES ITEMS OF INTEREST TO THE CERAMIC COMMUNITY, AND PROVIDES THE MOST CURRENT INFORMATION CONCERNING ALL ASPECTS OF CERAMIC TECHNOLOGY, INCLUDING RESEARCH AND DEVELOPMENT, MANUFACTURING, ENGINEERING AND MARKETING.

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