Record Nr. UNINA9910876835403321 60th Conference on Glass Problems: a collection of papers presented Titolo at the 60th Conference on Glass Problems: October 19-20, 1999. Urbana, Illinois / / John Kieffer, editor Westerville, OH,: American Ceramic Society, c2000 Pubbl/distr/stampa **ISBN** 1-282-31480-7 9786612314803 0-470-29459-0 0-470-29505-8 Descrizione fisica 1 online resource (290 p.) Collana Ceramic engineering & science proceedings, , 0196-6219; ; v. 21/1 Altri autori (Persone) KiefferJohn Disciplina 666 Soggetti Glass Glass manufacture Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sponsored by the Dept. of Materials Science and Engineering, the Ohio Note generali State University and the University of Illinois at Urbana-Champaign. Nota di bibliografia Includes bibliographical references. 60th Conference on Glass Problems; Contents; Preface; Nota di contenuto Acknowledgments: Advanced Furnace Design Using New Oxy-Fuel Burners: Opportunities for Radical Innovation in Flat Glass Production Operations; Supervisory Advanced Control of Glass Melters by GS Expert System II: Foaming of Glass Melts: Validation of Advanced Models for Glass Melting Furnaces; The Reduction of Persistent TV Glass Defects; The Effect of Shear Angle on Gob Formation; Long-Term Experience with Nienburger Glas Batch Preheating Systems; Physical Separation Techniques for the Preparation of Glass Sand

Models for Glass Melting Furnaces; The Reduction of Persistent TV Glass Defects; The Effect of Shear Angle on Gob Formation; Long-Term Experience with Nienburger Glas Batch Preheating Systems; Physical Separation Techniques for the Preparation of Glass Sand New Developments in Crystalline Silica RegulationAn Effective PEMS Alternative to CEMS for Quantifying Glass Furnace NOx Emissions; Application of Environmental Impact Assessment to the Control of Emissions from Flat Glass Furnaces; Measurements of Sodium in an Oxygen-Natural Gas Fired Soda-Lime-Silica Glass Melting Furnace; Batch and Cullet Preheating and Emissions Control on Oxy-fuel Furnaces; Rebonded Spinel for Use in Oxy-Fuel Superstructure Applications; Performance and Economics of Furnace Crowns for Oxy-Fuel Glass Melting

Refractories for Superstructures in Oxy-Fuel Fired Glass Furnaces: Are All Silica Products Equivalent? Effect of Diopside and Wollastonite on the Melting of Soda-Lime-Silicate Glasses; The Glass Manufacturing Industry Council: linking Industry, Government, and Academia in Glass Research

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.