Record Nr. UNISA996202865903316 61st Conference on Glass Problems [[electronic resource]]: a collection **Titolo** of papers presented at the 61st Conference on Glass Problems: October 17-18, 2000, Fawcett Center for Tomorrow, the Ohio State University / / Charles H. Drummond, III, editor Pubbl/distr/stampa Westerville, OH,: American Ceramic Society, c2001 **ISBN** 1-282-31308-8 9786612313080 0-470-29465-5 0-470-29511-2 Descrizione fisica 1 online resource (286 p.) Collana Ceramic engineering & science proceedings, , 0196-6219;; v. 22, issue 1 Altri autori (Persone) DrummondCharles H (Charles Henry) Disciplina 666.05 Soggetti Glass manufacture Glass 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. Nota di contenuto 61st Conference on Glass Problems; Contents; Foreword; Preface; Acknowledgments; Validation of Glass Furnace Models: Believe It or Not; Application of the Fining Shelf to Furnace Melting Technology; Recycling of TV Glass: Profits or Doom?; Electrostatic Batch Preheating Technology: E-Batch; Economic Aspects of Preheating Batch and Cullet for Oxy-Fuel-Fired Furnaces; Practical Experiences with Chromic Oxide Refractories in Glass Melting Tanks; Silica Corrosion Studies Using the UMR Oxy-Fuel Simulator Furnace; Observations from Field Experience with Fused Alumina Crowns A New Fused Refractory for Glass Furnace SuperstructuresHigh-Zirconia Fused Cast Refractory Applications in CTV Panel Glass Melters: Modeling of the Impact of Throat Erosion on TV Panel Glass Tank Operations; What Do We Know about Glass Surfaces?; Aspects of the Glass Melt Properties Database Investigations at Alfred University; SOx Emissions from Silicate Glass Batches; Impact of Glass Furnace

Operation on Evaporation from Glass Melts; Measuring the Sulfur

Content of Industrial Glass Melts Using Square-Wave Voltammetry; Glass Manufacturing Industry Council Report The Glass Manufacturing Industry Council and the Department of Energy's Office of Industrial TechnologiesThe Glass Furnace Combustion and Melting User Research Facility; Coupled Combustion SpacelGlass Melt Furnace Simulation; Experience with the Conversion of Special Glass Melting Furnaces to Oxy-Fuel Firing

## 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.