

1. Record Nr.	UNINA9910144835003321
Titolo	63rd Conference on Glass Problems [[electronic resource] ] : a collection of papers presented at the 63rd Conference on Glass Problems : October 22-23, 2002, Fawcett Center for Tomorrow, The Ohio State University / / Charles H. Drummond III, editor
Pubbl/distr/stampa	Westerville, OH, : American Ceramic Society, c2003
ISBN	1-282-31467-X 9786612314674 0-470-29477-9 0-470-29522-8
Descrizione fisica	1 online resource (306 p.)
Collana	Ceramic engineering & science proceedings, , 0196-6219 ; ; v. 24/1
Altri autori (Persone)	DrummondCharles H (Charles Henry)
Disciplina	666.1
Soggetti	Glass manufacture Glass Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The conference was sponsored by the Departments of Materials Science and Engineering at the Ohio State University and the University of Illinois at Urbana-Champaign."-- p. vii.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	63rd Conference on Glass Problems; Contents; Foreword; Preface; Acknowledgments; TV-Panel Production: The Simulation of the Forming Process; Model Based Control of Glass Melting Furnaces and Forehearths; Modeling of Glass Melting Furnaces and Validation of Models; State of the Art in Glass Melt Tank Designs and Construction; A Technical and Economic Assessment of Efforts t o Advance Glass Melting Practices; Ceramic Sensors for the Glass Industry; Heating of Glass Forming Batch Blankets; Modern Recycling Technologies in Glass - A Survey of the State of the Art The Next Step Up in the Evolution of the Dog-House Development and Commercialization of the Next Generation Oxygen/Fuel Burner; Bubbles and Blister; Sampling Glass Raw Materials; Criteria for the Selection of Refractories for Special Glass Meting Tanks; Performance of Fusion-Cast a-p Alumina Crowns in Industrial Oxy-Fuel Furnaces:

Post-Campaign Experience.; Furnace Life Extension: Debris Removal and Ceramic Welding; ACT<sup>^</sup> Platinum Coatings - Complete Protection for ZAC Furnace Blocks; Glass Tank Reinforcements  
Casting of a Chrome-Alumina Monolithic Lining for Melting Insulation  
Fiber Glass in a Cold-Top Electric Melter Ceramic Welding Update:  
Innovation Drives Material Development and Application Technique;  
Using Oxygen Enrichment to Extend Regenerative Furnace Life and Enhance Glass Production

---

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.

---