l. Record Nr. UNINA9910141256303321

Titolo 72nd Conference on Glass Problems [[electronic resource]]: a

collection of papers presented at the 72nd Conference on Glass Problems, the Ohio State University, Columbus, Ohio, October 18-19,

2011 / / edited by Charles H. Drummond, III

Pubbl/distr/stampa Hoboken, N.J., : John Wiley & Sons, c2012

ISBN 1-280-87861-4

9786613719928 1-118-21745-4 1-118-39916-1

Descrizione fisica 1 online resource (274 p.)

Collana Ceramic engineering and science proceedings, , 0196-6219 ; ; v. 33,

issue 1

Altri autori (Persone) DrummondCharles H (Charles Henry)

Disciplina 666

666.1 666/.1

Soggetti Glass

Glass manufacture Glass - Defects Glass melting Electronic books.

Lingua di pubblicazione Inglese

Nota di contenuto

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali "The American Ceramic Society."

Nota di bibliografia Includes bibliographical references and index.

Acknowledgments; GLASS MELTING; Optimization of Burners in Oxygen-Gas Fired Glass Furnace; Future Energy-Efficient and Low-Emissions Glass Melting Processes; Mathematical Modeling to Optimize a Furnace Length by Width Ratio; A Summary of Almost 50 Years of Glass Furnace Preheating; Is 50% Energy Efficiency Improvement Possible in the Glass Product and Production Chain in 2030?;

72nd Conference on Glass Problems; Contents; Foreword; Preface;

REFRACTORIES; Conception of Modern Glass Furnace Regenerators;

New Cruciform Solutions to Upgrade Your Regenerator

Bonded Solutions for the Container MarketLow-Cost Fused Cast Refractories: Some Peculiarities and Connection with Glass Defects;

Mullite, Spinel & Calcium Aluminate-Leading the Way for Long Campaign/Energy Efficient Modern Glass Furnace Construction; MoZrO2-A New Material for Glass Melting Electrodes and Molybdenum Glass Tank Reinforcements-Experiences and Insights; PROCESS CONTROL; Changing of Gob Temperature from Spout to Blank; High Viscosity Glass Sheet Fabrication; Closed Loop Control of Blank Mold Temperatures; LEGISLATION, SAFETY, AND EMISSIONS The U.S. Policy and Political Landscape and Its Potential Impacts on the Glass Industry: Through a Glass DarklyAchieving a Global Corporate Safety Culture; Emission Monitoring in the Glass Industry; RECYCLING AND BATCH WETTING; Design of a New 25 Ton per Hour Waste Glass Processing Plant for Rumpke; Glass Recycling Technology of Today; Cord Testing using Thermal Shock: Virtue or Vice?; To Wet or Not to Wet, That is the Question-Part B-Using Dry Batch; Batch Wetting-Another Point of View; Author Index

## Sommario/riassunto

This issue contains a collection of papers presented at the 72nd Conference on Glass Problems at The Ohio State University, Columbus, Ohio. Topics covered include glass melting; refractories; process control; legislation safety, and emissions; recycling and batch wetting.