

1. Record Nr.	UNINA9910141606403321
Titolo	73rd Conference on Glass Problems [[electronic resource]] : a collection of papers presented at the 73rd Conference on Glass Problems, Hilton Cincinnati Netherland Plaza, Cincinnati, Ohio, October 1-3, 2012 // edited by S.K. Sundaram
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2013
ISBN	1-118-71083-5 1-118-71089-4
Descrizione fisica	1 online resource (284 p.)
Collana	Ceramic engineering and science proceedings, , 0196-6219 ; ; v. 34, issue 1 (2013)
Altri autori (Persone)	SundaramS. K
Disciplina	666.1
Soggetti	Glass Glass manufacture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title Page; Copyright Page; Contents; Foreword; Preface; Acknowledgments; GLASS MELTING; Energy Recovery from Waste Heat in the Glass Industry and Thermochemical Recuperator; Development of DFC (Direct Fusion Combustion) using Oxy-Fuel Burner; Finding Optimal Glass Compositions; MELTING, RAW MATERIALS, BATCH REACTIONS, AND RECYCLING; Advanced Melting Technologies with Submerged Combustion; The Influence of Borate Raw Material Choice on the Glass Manufacturing Process; Electrical Heating Systems for Melting Tanks, Forehearth, and Feeders A Furnace Combustion System Conversion by Flammatec during Operation at Libbey, Inc.-How Flame Geometry Improvement and Excess Air Control Contributes to Fuel Savings COATINGS AND STRENGTHENING; Color Control of Glass and Multilayer Coatings on Glass; Hard Glass-Thermal Strengthening of Container Glass Steven Brown; Effects of Glass Coatings on the Glass Tempering Process; The Usable Glass Strength Coalition Initiative to Provide Funding for Fundamental Research in Glass Strength; REFRACTORIES; Performance of Fusion-Cast and Bonded Refractories in Glass Melting Furnaces Energy Savings and Furnace Design New Tin Oxide Electrodes for Glass

Melting; Structural Health Monitoring of Furnace Walls; New CIP SEFPRO Refractory Solution to Extend Soda Lime Glass Furnace Life; PROCESS CONTROL AND MODELING; Non-Isothermal Pendant Drops of Molten Glass: Part 1; ICG TC21 Modeling of Glass Melting Processes-How Reliable and Validated Simulation Tools can Help to Improve Glass Melting Efficiency and Productivity; Proper Modeling of Radiative Heat Transfer in Clear Glass Melts; Novel Method for Stress Inspection of Tempered or Thermally Strengthened Glass; Author Index

Sommario/riassunto

The 73rd Glass Problem Conference is organized according to the following themes: Glass Melting, Melting, Raw Materials, Batching, and Recycling, Coatings, Strengthening, and Other Topics, Refractories, and Process Control & Modeling
