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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, Forehearts, 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
