



LA GIORNATA DEL VETRO

Novità tecniche e normative in ambito vetrario

THE ITALIAN GLASS DAY

Technical and regulations updates

23 novembre 2018 / 23rd November 2018

Centro Congressi Sant'Elisabetta - Campus Universitario Parma
Santa Elisabetta Congress Center - Parma University Campus

TRAINING COURSE ON "USE OF FUSED REFRACTOIRES FOR THE VARIOUS TYPES OF GLASS AND FURNACES" 22nd of November 2018

Dipartimento di Scienze della Terra- Laboratorio 1/ Lab. di paleontologia and micropaleontologia

Università di Parma – University of Parma

The course will be in English in case of foreigners attendance.

MORNING 9.30 – 12.30 Dr. Roland Heidrich

- Fused cast refractaires production
- Fused cast refractaires range and main properties
- Use of fused cast refractaires in different type of furnaces (Gas, Oxy, Electric)
- Glass defects from fused cast refractaires

AFTERNOON 14.00 - 17.00 Dr. Michel Gaubil

- Refractory solutions for sodalime glass manufacturing : a complete range of refractory materials adapted to various solicitations
- High zirconia fused cast refractories for high melting temperature glass composition
- Refractories solution for extra white glass melting
- Heat exchange regenerators refractory material for low emission glass furnace



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Sviluppo tecnologico dei forni da vetro cavo e piano

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Technological development in flat and hollow glass furnaces

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22 novembre 2018

Use of refractories for vario tipologia di vetro e caratteristiche dei forni

22nd November 2018

Use of fused cast refractories for the various types of glass and furnaces

PROGRAM

8.45-9.15	Registrations
CONFERENCE	
9.15-9.30	Welcome
Session 1 - Refractories	
9.30-09.55	Chromic oxide refractory material for sodalime container Glass <i>M. Gaubil – SEFPRO, France</i>
09.55-10.20	Blistering of Fused Cast AZS Refractory in Contact with Glass Melts <i>R. Heidrich – Refel SPA, Italy</i>
10.20-10.50	Coffee break
Session 2 - Furnaces	
10.50-11.15	Contemporary glass furnace design <i>E. Cattaneo – Stara Glass, Italy</i>
11.15-11.40	Methodology and integrated techniques in Glass Furnaces monitoring <i>D. Marchese – Stazione Sperimentale del vetro, Italy</i>
11.40-12.05	Digitizing the batch & furnace operator towards Industry 4.0 <i>E. Muijsenberg - GLASS SERVICE, Czech Republic</i>
12.05-12.30	The only future for glass industry will be “all-electric” <i>R. Meuleman - Eurotherm by Schneider-Electric, Netherlands</i>
12.30-13.00	Abstract Discussion
13.00-14.30	Lunch buffet
Session 3 – Chemical and Mechanical Properties	
14.30-14.55	A contribute to the comprehension of complexing agents and salt solutions reaction mechanism on chemical attack of type I borosilicate glass containers. <i>G. Severi – Università di Parma, Italy</i>
14.55-15.20	The effect of CaO for container glass production <i>R. Weigand - Ancorro GmbH, Germany</i>
15.20-15.45	Integrated approach to glass container defect's analysis <i>S. Ceola - Stazione Sperimentale del vetro, Italy</i>
15.45-16.10	Spontaneous failure of heat-treated glass. A micro-mechanically motivated statistical model for the optimal holding time in the Heat Soak Test (HST) <i>A. Bonati - Construction Technologies Institute – Italian National Research Council (ITC - CNR), Italy</i>
16.10-16.30	Closing remarks
16.30-17.30	ATIV Members assembly