



**CENTRO CONGRESSI SANTA ELISABETTA
CAMPUS UNIVERSITARIO
PARCO AREA DELLE SCIENZE, 95 –PARMA**

HOW TO REACH PARMA

Parma is located in northern Italy, in the region Emilia-Romagna, halfway between Bologna and Milan. An ideal position to reach in a short time tourist attractions such as Venice, Ferrara, Verona, Turin as well as Cinque Terre, Portovenere and Portofino in Liguria and resorts in Tuscany.

By Plane

Airport of Parma "Giuseppe Verdi": connections to and from Rome (4 daily flights) and London. The closest international airports are Milan Malpensa (180 km), Bologna (90 km), Bergamo (120 km), Brescia (70 km), and Verona (100 km). However, due to its central position in the Po Valley, the town can be easily reached from all airports in northern Italy, including Venice (250 km), Genoa (210 km), and Florence (190 km).

By Train

Direct connections every hour from and to Milan and Bologna. Direct inter-city and Eurostar trains to and from Florence, Rome, Naples, Turin, Genoa and Zurich.

By Car

The town can be easily reached also by highway: the "Parma" exit is on the A1 Milan - Naples motorway, connecting traffic from France (via Turin), Switzerland (via Chiasso - Como), and Austria (Autobrennero, via Verona to Modena).

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XXVIII A.T.I.V. CONFERENCE 2013

GLASS FURNACES & ENVIRONMENT

**Centro Congressi
Santa Elisabetta
Campus Universitario**

**November 15, 2013
Parma, Italy**



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XXVIII A.T.I.V. CONFERENCE - FINAL PROGRAM

9.15 – 9.30 **Welcoming address**
Presentation of the conference
Loris Borghi
Rector of the University of Parma
Alessandro Bandini
A.T.I.V. President
Gianni Royer Carfagni
A.T.I.V. Vice President, University of Parma

9.30- 9.55 Environmental situation of the European Glass Manufacturing Industry. From GLS BREF 2001 to GLS BREF 2012.
Bianca Maria Scalet
European Commission DG Joint Research Centre (JRC) - IPTS - Unit Sustainable Production and Consumption European IPPC Bureau, Spain

9.55- 10.20 Continuous Emission Monitoring (CEM) for glass furnace emissions: requirements for measurement section and sites, calibration quality assurance.
Walter Battaglia, Sandro Casagrande
Stazione Sperimentale del Vetro, Italy

10.20- 10.45 Sorg Batch Preheating - an update about an innovative process.
Alexander Sorg
Nikolaus Sorg GmbH & Co KG, Germany

10.45 **Coffee Break**

11.10- 11.35 Refractory solutions for the new challenges of the glass melting process.
Fabio Iurlaro
RHI AG, Italy

11.35- 12.00 TYPE 8 Cruciforms for High-Performance Regenerators: an update on industrial usage.
Sebastien Bourdonnais
SEFPRO, France

12.00- 12.25 Environment and energy: flue gas treatment and production of electrical power in the glass factory.
Alessandro Monteforte
AREA Impianti, Italy

12.30 Lunch

14.00- 14.25 Analysis of energy efficiency performance of industrial glass furnaces. Application of an energy balance model to find energy saving options.
Luuk Thielen, Adriaan Lankhorst, Andries Habraken, Ruud Beerkens, Joris Goossens
Celsian Glass & Solar, The Netherlands

14.25- 14.50 The energy balance of a glass melting furnace: theoretical introduction, practical applications and possible benefits.
Simone Tiozzo, Roberto Dall'Igna, Walter Battaglia
Stazione Sperimentale del Vetro, Italy

14.50- 15.15 Consideration of different electric boosting scenarios for soda lime and special glasses.
Erik Muijsenberg
Glass Service, Inc, Czech Republic

15.15- 15.40 Energy efficiency in a glass industry: from energy recovery to energy management.
Riccardo Facca
Gruppo Sangalli, Italy

15.40 Coffee Break

16.05- 16.30 Hybrid regenerative – recuperative heat exchange systems for glass furnaces: experiences, performances and perspectives
Alessandro Mola, Ernesto Cattaneo, Giorgio Minestrini,
STARAGLASS, Italy
Carlo Cravero, Davide Basso
University of Genoa, Italy

16.30- 16.55 Smart Thyristor Control of power supply on electric boosting systems provides potential energy savings.
Grégoire Quéré, René Meuleman
Invensys Eurotherm, The Netherlands

17.00 ATIV Members Annual Meeting

The simultaneous translation
Italian - English - Italian will be provided

XXVIII A.T.I.V. CONFERENCE - REGISTRATION FORM

Please complete and fax or e-mail this Registration Form to: A.T.I.V. Secretariat - Fax +39-0525-404229 e-mail: ferrari@ativ-online.it

Registration Fees	Early due payment -by 15 th October 2013	Later payment—after 15 th October, 2013
A.T.I.V. Members	150,00 €	250,00 €
Non A.T.I.V. Members	250,00 €	350,00 €

Surname _____ **First Name(s)** _____ **Title** _____

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Method of Payment:

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Specifying "XXVIII A.T.I.V. Conference" and the name/s of the participant/s.

Later paymente at the registration desk (cash, checks, credit cards - CartaSi, Visa, Mastercard)

Registration fee includes:

- Admission to technical sessions
- Conference kit
- Coffee breaks and lunch

Cancellation conditions

Prepaid registration fees are refundable, minus a 20% administration fee, if written notification is received before October 31, 2013.

With reference to Italian law nr. 675/96, we inform you that your personal data will be treated only for conference purposes.

Date _____

Signature _____