

# XXIV A.T.I.V. International Conference

59<sup>th</sup> NGF ANNUAL MEETING



UNIVERSITÀ DEGLI STUDI DI PARMA



## Today's Challenges for Glass



### *Final Program*

University of Parma  
**Parma (Italy), July 9-10, 2009**  
Aula Magna Palazzo Centrale

## CONFERENCE AIMS AND THEMES

A.T.I.V. (Association of Italian Glass Technologists) and NGF (The Scandinavian Society of Glass Technology) are pleased to announce the XXIV International A.T.I.V. Conference and 59<sup>th</sup> NGF annual meeting, which this year will be held as a joint event, "Today's Challenges for Glass", hosted by the University of Parma.

The aim of this conference is to present and discuss ways to reduce costs, energy specific consumptions and improving quality and the performance of glass products in their various applications.

The final program of the Conference is presented hereafter.

### Thursday July 9<sup>th</sup>, 2009

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**7.30 am** Trip in the Food Valley (Parmigiano Reggiano cheese and wine tasting - Light lunch)  
(Only for Pre-Registered delegates and Accompanying Persons who have selected this item)

**2.00 pm** Participants' Registration

**2.30 pm - 2.45 pm** Welcoming address - Presentation of the conference  
**Gino Ferretti** - Rector of the University of Parma - Italy  
**Piero Ercole** - A.T.I.V. President - Italy  
**Angelo Montenero** - A.T.I.V. Vice President, University of Parma - Italy  
**Stellan Persson** - Scandinavian Society of Glass Technology (NGF) President - Sweden  
**Bertil Fredlund** - Glafo Managing Director - Sweden

#### FIRST SESSION:

#### Glass and Environment

Chairman: **Stellan Persson** - Scandinavian Society of Glass Technology (NGF) - Sweden

**2.45 pm - 3.10 pm** A revised IPPC BREF for the glass manufacturing industry  
**Bianca Maria Scalet** - European IPPC Bureau - European Commission JRC-IPTS, Competitiveness and Sustainability Unit - Italy

**3.10 pm - 3.35 pm** Revision of IPPC and Emission Trading directives: which consequences for the Glass Industry?  
**Guy Tackels** - Saint Gobain - France

**3.35 pm - 4.00 pm** Glass industries: Italian and European overview  
**Nicola Favaro** - Stazione Sperimentale del Vetro - Italy

**4.00 pm - 4.20 pm** Coffee Break

**4.20 pm - 4.45 pm** Glassy sand from primary treatment units waste cullet. Qualitative, energetic, and environmental analysis after 5 years of continuous and still growing deliveries to glass containers Italian plants  
**Paolo Bertuzzi**<sup>1</sup>, **Piero Ercole**<sup>2</sup>, **Claudio Ferrero**<sup>3</sup> and **Lodovico Ramon**<sup>1</sup>

<sup>1</sup> Sasil - Italy

<sup>2</sup> Consultant - Italy

<sup>3</sup> Gruppo Minerali - Italy

- 4.45 pm - 5.10 pm Glass recycling strategies based on viscous flow sintering  
**Enrico Bernardo\*** - University of Padova - Italy  
\*Member of the A.T.I.V. Steering Committee
- 8.00 pm Social Dinner

## Friday July 10<sup>th</sup>, 2009

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- SECOND SESSION: Hollow glass**  
Chairman: **Piero Ercole** - A.T.I.V. - Italy
- 8.30 am - 8.55 am Modeling the quality of glass melting processes  
**Adriaan Lankhorst, Andries Habraken, Mathi Rongen, Johan Reijers** and **Ruud G.C. Beerkens\***  
TNO Science and Industry, Glass Group - The Netherlands  
\*Member of the A.T.I.V. Steering Committee
- 8.55 am - 9.20 am Optimised design and performance of the latest generations of glass furnaces  
**Richard Sims** - SORG - Germany
- 9.20 am - 9.45 am Cold end glass inspection: elements to improve efficiency, costs and quality  
**José Maria Garcia - Lomas** - Emhart Glass - Spain
- 9.45 am - 10.10 am Improving IS machine forming technology  
**Gianclaudio Borsarelli** - Bottero - Italy
- 10.10 am - 10.35 am Advanced and supervisory process control of glass furnaces  
**Leo Huisman, Johan Reijers, Roeland Brugman**  
TNO Science and Industry, Glass Group - The Netherlands
- 10.35 am - 10.50 am Coffee break
- 10.50 am - 11.15 am The inventor of the 12 camera concept by Iris Inspection Machines  
**Jean Luc Logel** - Iris Inspection Machines - France
- 11.15 am - 11.40 am New technology for flexible and efficient feeding for semi automatic high quality production  
**Klaus Poeting** - WALTEC Maschinen - Germany
- 11.40 am - 12.05 am Primary packaging of tubular glass  
**Fabio Nicoletti** and **Emanuel Guadagnino** - Stevanato Group - Italy
- 12.05 am - 12.30 am Improving the scratch resistance of glass through the sol-gel deposition of protective films  
**Paolo Zurlini<sup>a</sup>, Andrea Lorenzi<sup>a,b</sup>, Ilaria Alfieri<sup>a</sup>, Guglielmina Gnappi<sup>a,b</sup>, Angelo Montenero<sup>a,b</sup>, Nicola Senin<sup>c</sup>, Roberto Groppetti<sup>a</sup> and Paola Fabbri<sup>d,b</sup>**  
<sup>a</sup> University of Parma - Italy  
<sup>b</sup> INSTM - Italy  
<sup>c</sup> University of Perugia - Italy  
<sup>d</sup> University of Modena e Reggio Emilia - Italy
- 12.30 am Lunch

### THIRD SESSION:

#### Flat Glass

Chairman: **Bertil Fredlund** - Glafo - Sweden

2.00 pm - 2.25 pm

Towards an Italian code for structural glass  
**Gianni Royer - Carfagni\*** and **Mirko Silvestri**  
University of Parma  
\*Member of the A.T.I.V. Steering Committee

2.25 pm - 2.50 pm

The new glasses for photovoltaic technology, their actual chemical and optical characteristics and future evolutions  
**Heiko Hassenkemper\*** - TU Bergakademie - Germany  
\*Member of the A.T.I.V. Steering Committee

2.50 pm - 3.15 pm

Glass panes subjected to dynamic impulse loads  
**Kent Persson** and **Blake Doepker** - Dept. of Construction Sciences - Sweden

3.15 pm - 3.35 pm

Coffee Break

3.35 pm - 4.00 pm

Glass and wood together  
**Elisabeth Flygt** and **Maria Lang** - Glafo - Sweden

4.00 pm - 4.25 pm

Polishing glass with water jet technology  
**Christina Stålhandske**, **Lars Gunnar Johansson** and **Maria Lang** - Glafo - Sweden

4.25 pm - 4.50 pm

Application of layer-wise shell elements to laminated glass shell structures  
**Maria Fröling** and **Kent Persson** - Dept. of Construction Sciences - Sweden

4.50 pm - 5.15 pm

Classification of glass for structural use  
**Tobias Lindberg** - Dept. of Construction Sciences - Sweden

*The simultaneous translation Italian - English - Italian will be provided*

## REGISTRATION INFORMATION

Registration Fees Participants/Speakers	Early due payment: (by June 21 <sup>st</sup> , 2009)	Later payment (after June 21 <sup>st</sup> , 2009)
Full Registration A.T.I.V. - NGF Members	400,00 €	500,00 €
Full Registration Non A.T.I.V. - NGF Members	500,00 €	600,00 €
One day Registration	250,00 €	300,00 €
One session Registration	150,00 €	200,00 €
Social Program	120,00 €	-
Social Dinner	60,00 €	-
Trip in the Food Valley	40,00 €	-

### The "Full Registration" fee includes:

Admission to all technical sessions - Conference proceedings - Coffee breaks and lunch - Trip in the Food Valley - Social Dinner.

### The "One day Registration" fee includes:

Admission to technical sessions on the selected day - Conference proceedings - Coffee breaks and lunch - Trip in the Food Valley (for those registering for July 9<sup>th</sup>)

### The "One session Registration" fee includes:

Admission to the selected technical session - One coffee break

### The "Social Program" fee includes:

Guided sightseeing tour in Parma (July, 10<sup>th</sup> - Friday morning) - Coffee breaks and lunch - Social Dinner.

Trip in the Food Valley is not included and must be booked and paid separately

### **Your participation in the events you have not booked in advance is not guaranteed!**

### Cancellation conditions

Prepaid registration fees are refundable, minus a 20% administration fee, if written notification is received before June 30<sup>th</sup>, 2009.

### Payments

- By credit card: CartaSi, VISA and Master Card.
- By money transfer to the account N. 35 225 968 belonging to A.T.I.V. c/o Cassa di Risparmio di Parma e Piacenza - Agenzia 14 - Via Langhirano 65 - Parma (ABI 06230 - CAB 12782 - CIN M - IBAN IT 47M0623012782000035225968) indicating "XXIV A.T.I.V. Conference" and specifying the name/s of the participant/s. Please Note: for the international money transfers the bank commissions must be charged to the orderer.
- At the registration desk (cash, checks, credit cards - CartaSi, Visa and Mastercard accepted).

# XXIV A.T.I.V. CONFERENCE - 59TH NGF ANNUAL MEETING

## REGISTRATION FORM

Please write in capitals letters, complete and fax or e-mail this form to: **A.T.I.V. Conference - Organizing Secretariat Phone/Fax +39-0525-406795; e-mail: ferrari@ativ-online.it**

Surname First Name(s)

Title

Company, Institution etc

Street, PO Box

Postal Code

City

Country

Phone

Fax

e-mail

Registration Fees Participants/Speakers	Early due payment: (by June 21 <sup>st</sup> , 2009)	Later payment (after June 21 <sup>st</sup> , 2009)
Full Registration A.T.I.V. - NGF Members	<input type="checkbox"/> 400,00 €	<input type="checkbox"/> 500,00 €
Full Registration Non A.T.I.V. - NGF Members	<input type="checkbox"/> 500,00 €	<input type="checkbox"/> 600,00 €
One day Registration ( <input type="checkbox"/> July, 9 <sup>th</sup> - <input type="checkbox"/> July, 10 <sup>th</sup> )	<input type="checkbox"/> 250,00 €	<input type="checkbox"/> 300,00 €
One session Registration ( <input type="checkbox"/> first session - <input type="checkbox"/> second session - <input type="checkbox"/> third session)	<input type="checkbox"/> 150,00 €	<input type="checkbox"/> 200,00 €
Social Program	<input type="checkbox"/> 120,00 €	-
Social Dinner	<input type="checkbox"/> 60,00 €	-
Trip in the Food Valley	<input type="checkbox"/> 40,00 €	-

Name of Accompanying Person \_\_\_\_\_

**Please note: Trip in the Food Valley is not included in the Social Program Fee**

**Your participation in the events you have not booked in advance is not guaranteed!**

### Method of Payment:

Credit Card (CartaSi, Visa, Mastercard) Card n° \_\_\_\_\_

Exp.date

CV2

Amount

Name of card holder

Signature

Bank Money transfer (please enclose copy of the payment receipt free of bank commission).  
Account N. 35 225 968 - A.T.I.V. c/o Cassa di Risparmio di Parma e Piacenza ABI 06230 -  
CAB12782 - CIN M - IBAN: IT47M0623012782000035225968 - BIC: CRPPIT2P482  
Specifying "XXIV A.T.I.V. Conference" and the name/s of the participant/s.

At the registration desk (cash, checks, credit cards - CartaSi, Visa, Mastercard)

With reference to Italian law nr. 675/96 we inform you that your personal data will be treated only for conference purposes. We also inform you that the personal data listed above will be included in the list of the participants of this conference. If you DO NOT want to be included in this list, please tick the square and sign. Thank you.  DO NOT include my data in the list of the participants

Date

Signature

## INFORMATION ABOUT PARMA



### Conference Site

The Conference will be held in the Aula Magna of the University of Parma. The main building of the University is located in the town centre.

### Access

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).

The town can be easily reached also by fast train or 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).

### Venue

Parma is a relatively small city, but it can nevertheless boast some truly monumental architecture, rich artistic heritage and a range of important cultural institutions. Among the main attractions in town, the masterpieces of Romanesque art, i.e. the Cathedral and the Baptistery. The frescoes by Correggio and Parmigianino, Pilotta Palace, some monumental churches, the Ducal Palace, the Regio Theatre are all evidence of the past as the capital of the Duchy of Parma and Piacenza, ruled by the Farnese family first, then by the Bourbons, now ruling Spain, then by Maria Luigia of Austria, wife of Napoleon.

It is also the town of birth of Giuseppe Verdi and Arturo Toscanini.

Moreover, Parma is well known also as the capital of the food-valley: the rich tradition of the local products of the territory and the province include its famous salami, Parma ham, and the renowned Parmigiano-Reggiano cheese.

### Other Information

#### Tourist and General Information:

<http://turismo.comune.parma.it/>  
<http://www.parmaitaly.com/indexk.html>  
<http://www.promoparma.it/>  
<http://www.teatroregioparma.org/>

#### Airport:

<http://www.parma-airport.it>

#### Food:

<http://www.parmigiano-reggiano.it/default.aspx?newlang=7>  
<http://www.prosciuttodiparma.com/eng>

#### Italian Railways - Timetable:

<http://www.ferroviedellostato.it/>

### Weather

Summer in the Po valley is generally hot and rather humid. The average temperature in July ranges from min. 22°C to max. 33°C.

