







XVI International Plastic Pipes Conference Barcelona, Spain

September 24-26, 2012









BARCELONA 2012

# Organised by Plastic Pipes Conference Association

This Conference will build on the success of previous Conferences, including Plastic Pipes XV, which attracted over 430 delegates to Vancouver, Canada. It has become fully International, with delegates from over 33 countries, including over 326 delegates from outside Europe. Therefore Plastic Pipes XVI is the event to present your information and ideas on plastic pipe products. End-users, designers, engineers, manufacturers and contractors will be among the attendees. The PPCA is dedicated to providing a platform for the distribution and discussion of technical, scientific and market information to support the world-wide use of plastic pipeline systems.

# **Chairman of Organising Committee**

Zoran Davidovski - Pipelife International GmbH

## **Vice Chairmen of Organising Committee**

Pierre Belloir – Total Petrochemicals Research Feluy Joel Fumire – Solvay Laboratoire Central Raimon Pique – Solvay

#### **Members**

#### **Éva Balassa** Congress Ltd

**Stephen Boros**Plastics Pipe Institute

# Tom Breiner TB Consulting

#### Sunwoong Choi Hannam University

# Pierre Favrot

# Frank Jones PPCA BPF Plastic Pipes Group

# **Maciej Konstanski**Polish Plastic Pipes and Fittings Producers' Association

# Ernest Lever Gas Technology Institute

# Frnest I ever

## Karen Lively

CPC Performance Pipe Br Performance Pipe division of Chevron Phillips

# Hiroyuki Nishimura

Kyoto Institute of Technology

# **Dmitry Ostrovsky**Polyplastic Group

**Gene Palermo**Palermo Plastics Pipe
Consulting

## Michael Pluimer

Plastics Pipe Institute

## Adrian Popa

Ineos Olefins & Polymers

## **Christophe Salles**

Borealis

### Steve Sandstrum

ISCO Industries LLC

#### Detlef Schramm

The Dow Chemical Company

#### Ulrich Schulte

Basell Polyolefine GmbH

## Éva Timar

Solvay

# Claudia Topalli

TEPPFA

# Cindy Wang

Borouge

### Zhanjie Wang

China Plastics Piping Association

#### Alan Whittle

Consultant - Iplex Pipelines



The main programme will comprise more than 100 presentations covering technical and marketing issues relating to the design and development, testing, installation and operation of plastic pipes systems. Papers will offer solutions to technical and engineering issues using plastic pipes systems, and also identify market and business opportunities for further growth in the use of plastic pipes.

# **Key Subjects for Plastic Pipes XVI**

#### **Market Issues**

- The evolution of the plastic pipeline industry
- Experiences world wide
- The demise of traditional materials
- Standardization, norms and hENs

## **Plastic Pipeline Solutions**

- Large projects and novel applications for plastic pipelines
- Rehabilitation of pipelines
- Case histories
- Sustainable construction
- Life cycle assessment (LCA/EPD)
- Use of recycled materials

# Application areas for plastic pipes

- Gas & water systems
- Sewerage & drainage systems SuDS
- Hot & cold systems Surface Heating/Cooling
- Soil & waste systems Noise Resistant
- Plastic pipe systems for industrial services

## **Pipe System Developments**

- New plastic pipe materials
- Structured wall and multi-layered plastic pipes and fittings
- Developments in pipes & fittings
- New product design and testing tools for plastic pipeline systems

Papers will be selected for Plastic Pipes XVI on the basis of submitted abstracts.

## Official language

The official language of the conference is English.

# Call for papers

The Organising Committee is open to new ideas and innovations so please submit your title and abstract even if the subject matter is not covered on the list. Abstracts not accepted for presentation will be considered as a poster paper.

# **Abstract, Authors**

Authors are advised to register for PPXVI Barcelona when their abstract is accepted and thus take advantage of Early Bird Registration rate. Should the submitted abstract not be accepted, the author will be entitled to a full refund of registration fee.

On receipt of a completed registration form and correct fee the Congress Secretariat will provide each participant with confirmation of registration and other required services.

# How to apply

An abstract submission form is available at the conference website www.ppxvi.org. Presentations at the Conference will be in a PowerPoint format. Please send the title of your paper, including your name, position, company address and contact details in a 300 word abstract to the following address:



#### Ms Nora Liszkai - Congress Kft.

1026 Budapest, Szilágyi E. Fasor 79., HUNGARY Tel: ++36 1 212 00 56 .Fax: ++36 1 356 65 81

Email: liszkai.nora@congress.hu • Website: www.ppxvi.org

#### **Deadlines**

All submissions must be made in the English language and must be received by 15<sup>th</sup> November 2011 in order to be included in the selection process. Authors will be notified of papers selected for the Conference by 15<sup>th</sup> January 2012. Final submission of accepted papers will be required by the 16<sup>th</sup> May 2012 in a protected PDF format. PowerPoint presentations are not acceptable for publication in the Proceedings.

For additional updates check www.ppxvi.org

# **Exhibition**

A technical exhibition will accompany the Conference, which will feature important aspects of the plastic pipes business and show some of the new developments in product design, manufacture, maintenance, evaluation and testing procedures. Please visit the website and you can reserve your booth online from the exhibition map. Early Bird Exhibition fee until 1st May, 2012 EUR 4 000 / 9 sqm, Standard Exhibition fee after 1st May, 2012 EUR 5 000 / 9 sqm.

For additional information about the exhibition please contact Joel Fumire (e-mail: Joel.Fumire@solvay.com)

#### **Booth reservation**

Please visit the layout of the exhibition on the website. There is an opportunity to reserve the required location of your booth if the area is green. You can reserve it online. We will hold your reservation until payment is received. Payment is required within 8 days. As soon as your payment arrives the reservation will be validated. All valid reservations will be confirmed in 3 days.

#### The fee includes the following:

3x3 m<sup>2</sup> booth from Syma Elements, 1 exhibition table, 1 table + 2 chairs, 3 spot lamps, electric connection with 1 plug, 220V. The Conference registration fee for 1 participant is included. The exhibition fee is for the full period. There is an opportunity to rent 2 or more booths

## Sponsorship opportunities

There will also be several sponsorship opportunities. If interested in promoting your company and/or your products please contact info@ppxvi.org

# **General Information**

#### Conference venue



#### **BARCELONA**

Barcelona is one of the most stylish and dynamic cities in the world. Barcelona offers firstclass shopping, food, architecture and entertainment. It has a huge number of attractions including a city centre which retains its medieval street plan; some stunning modernist



architecture including several buildings by Gaudí – Spain's most famous architect; dozens of museums including one dedicated to Picasso, another to Miró and yet another to Barça, Barcelona's world famous football club. The city enjoys an almost perfect climate making it an ideal place to be at any time of the year.

#### Barcelona, capital of Modernism

Barcelona, known and acclaimed internationally as the capital of Modernism, offers constant surprises along its streets with hundreds of architectural treasures. The city is adorned by the Sagrada Familia, Palau de la Música, La Pedrera, Casa Batlló, and the majority of Gaudí's works. The Gothic Quarter offers quaint narrow streets and inner courtyards of mediaeval inspiration. The city also offers art museums of renowned prestige such as the Museu Picasso, MACBA, Museu dArt de Catalunya, Fundació Miró and Fundació Tapies.

# Registration fees

	Early Bird Registration fee until 1st May 2012	Standard Registration fee after 1 <sup>st</sup> May 2012
Registration fee for participants	EUR 980	EUR 1.180
Registration fee for accompanying person	EUR 350	EUR 350

## **Payment Methods**

#### Registration fees may be paid in one of two ways:

a./ Bank transfer to Congress Ltd

Bank: K&H Bank Rt.

Address: H-1051 Budapest, Arany Janos u. 20., HUNGARY

IBAN Code: HU91 1020 1006 6020 2507 0000 0000

SWIFT Code: OKHBHUHB

b./ By online credit card payment VISA/AMEX/MASTERCARD are accepted

Make sure you have your name, address and indication "PPXVI" on all methods of payment.

## **Participants**

#### The registration fee includes:

- participation in the scientific programme
- one copy of the final programme
- participation in the Welcome Reception
- coffee-breaks during the conference days, and lunches 3 days
- attendance at the Gala Dinner
- conference bag

# **Accompanying persons**

#### The registration fee includes:

- participation in Welcome Reception
- attendance at the Gala Dinner

# **Confirmation of Registration**

Acknowledgement of registration will be sent after receiving your payment. If you send your registration by E-mail you should receive a confirmation within 7 days. If you do not please print the registration form and fax it to: +36-1356-6581



# **Cancellation of the registration**

50% refund till 30th July 2012

No refund after 1st August 2012 – but delegate substitution is permitted.

## How to register

For more information and registration please visit www.ppxvi.org!

# Accommodation

#### Site of the conference

#### **Hotel Arts**

This spectacular hotel is located in the beautiful promenade and from there you can enjoy beautiful and unique panoramic views of the city and the Olympic port of Barcelona. In the immediate vicinity of public transport service. At about 100 m from the turquoise blue sea and beautiful beach. At the same distance, about 100 meters, there is a variety of shops, numerous restaurants, bars and a nightclub. The charming Old Town and the Gothic Quarter are 20 minutes away. Nearby is the subway station Ciutadella – Vila Olimpica.

#### Rooms

The exclusive rooms come with a luxurious marble bathroom with bathrobe and hair-dryer, direct dial telephone, satellite / cable TV, radio, stereo, Internet access, minibar/fridge, double bed, carpeting, air conditioning, central heating, sitting area and a club room (45 sqm) (with its own room, drinks and snacks all day.)

Rates per room per night, double or single use. 8% VAT.

Breakfast is not included in rate. The breakfast buffet is EUR 20.-/pers + 8% VAT

# Method of room reservation in Hotel Arts

All paticipants of PPXVI can make a reservation on-line directly on the hotel's website.

# Social Programmes

INCLUSIVE for registered participants and accompanying persons

# **Welcome Reception**

On 24th September 2012 at 8.00 p.m. there will a Welcome Reception at the Hotel Arts.

#### **Gala Dinner**

There will be the Gala Dinner on 25th September 2012 at 8.00 p.m. Transport will be provided to the site of the Gala Dinner and back to the Hotel Arts.



# Optional Programmes

#### PANORAMIC BARCELONA TOUR

Duration: 3hrs / Time: anytime / Dress code: casual - EUR 80



Starting in the Olympic area on top of the Montjuic Mountain from where we will have a fantastic view that will help us locating the city's highlights. Las Ramblas & La Boqueria Market, the Columbusstatue and the Paseode Gracia and its modernist buildings.

## IN THE FOOTSTEPS OF ANTONI GAUDÍ

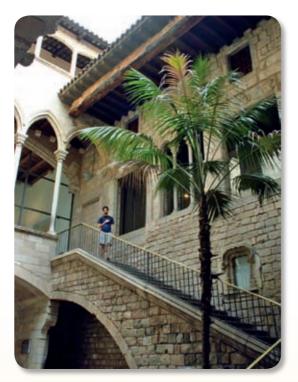
Duration: 4hrs / Time: anytime / Dress code: casual, good walking shoes – EUR 90



The architect Antoni Gaudi (1852-1926) is probably the most prominent architect from the Modernism period and his work is very much synonymous to Barcelona. LA PEDRERA and the CASA BATLLÓ, are two of his masterpieces. PARK GÜELL, is on the Unesco's list of world heritage sites and finally the SAGRADA FAMILIA, the church of the holy family, Gaudi's unfinished masterpiece.

#### **WALKING TOUR OLD CITY INCLUDING VISIT TO PICASSO MUSEUM**

Duration: 4hrs / Time: anytime (Except Tuesday as that's the Museum closing day)
Dress code: casual, good walking shoes – EUR 90



Barcelona comprises the area now known as Ciutat Vella, or the old city. The district is mainly composed of the Gothic Quarter, La Ribera, La Rambla, and El Raval, and is famous for its historic monuments, narrow streets, and vaguely bohemian atmosphere.

The Gothic Quarter is the core of the Medieval city which was bounded by walls until the middle of the XIX century. A visit to the Gothic Cathedral, dating back to the XIII century, is included. Nearby is the historical and political centre of Barcelona. In the Plaça Sant Jaume we find the City Hall and the Palau dela Generalitat.

The Museum of Picasso is situated in a medieval noble palace in the La Ribera district. Exhibition of his early works from his childhood in Malaga up till the period at the French Riviera. A visit is included. Next to the Picasso Museum, we'll find the Santa Mariadel Mar, the most beautiful Gothic church in Barcelona.



#### **CONTEMPORARY ARTS**

Duration: 4hrs / Time: anytime / Dress code: casual,

good walking shoes - EUR 100



Two musts for contemporary art-lovers. The Catalan artist Joan Miró is world famous and his private foundation houses his works in addition to his own private art collection with gifts from "famous" friends. The Museum of Contemporary Art, MACBA, is brand new, situated in the old city and houses national and international contemporary art. Temporary exhibitions in addition to permanent exhibitions.

#### **BIKING TOUR AROUND THE MEDITERRANEAN**

Duration: 3hrs / Time: anytime / Dress code: casual - EUR 130



A different way of seeing Barcelona. With the helmets and instructors making sure traffic is no danger, we will experience the Old City where streets are too narrow for other vehicles to enter. Our professional guides will accompany us and make sure we don't miss any of the many stories and legends.



#### **WINE TOUR IN PENEDES REGION**

Duration: 5hrs / Time: anytime / Dress code: casual - EUR 130



A short drive out from Barcelona to discover the Penedès DO area. The bigger wine and cava producers started in this region and we can still visit the old cellars and learn about the production of the different varieties. In Penedès we will find Codorniu, Freixenet, Segura Viudas among many other small family owned cellars.

#### **VISIT TO LA BOQUERIA MARKET FOLLOWED BY COOKING LESSON**

Duration: 6hrs / This tour includes lunch - EUR 200

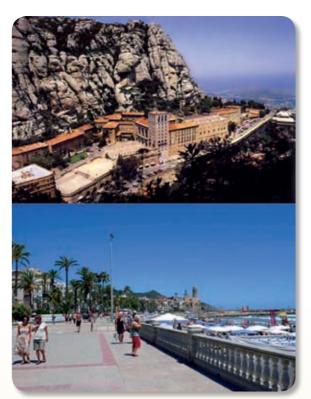


We begin the tour of the famous food market La Boqueria situated on world renowned boulevard La Rambla, where guests get to buy some of the ingredients to be used during their cooking experience. The market experience will be followed by a cooking lesson in a beautiful kitchen space with a professional Chef. At the end the creations will be tasted by the group!



#### **TOUR OF MONTSERRAT & SITGES**

Duration: 8hrs / Time: Anytime / Dress code: Good walking shoes - EUR 180



Not far from the Penedés is Montserrat, the holy mountain of Catalunia. This is a peculiar rocky outcrop, smoothed into round shapes by the water and wind throughout the millenniums. A Benedictine monastery stands on the mountain side which is the guide to Catalan spiritual life. It has one of the oldest boys' choirs in Europe, the Escolanía de Montserrat which sings every day at 1 pm.

SITGES, a small picturesque village, located on the coast south of Barcelona, which has always been, an upper-class resort. The Maritime Promenade is well kept and a popu-

lar spot for either a walk, or bikes and roller-skates. Even though only 20 minutes from the airport of Barcelona, no charters or mass tourism invade Sitges, only individuals. A walk through the old city with the Church, the Palau Maricel and the narrow streets is a must, ending up either at the beach or the main street where all the boutiques are.

Lunch can be organized in one of the local restaurants right in front of the beach.

# FURTHER INFORMATION Ms Nora Liszkai – Congress Kft. 1026 Budapest, Szilágyi E. Fasor 79., HUNGARY Tel: +36 1 212 00 56, Fax: +36 1 356 65 81 Email: liszkai.nora@congress.hu Website: www.ppxvi.org

