16-18 October 2017, Lindner City Plaza Hotel, Cologne, Germany

Visit www.plastic-pipes.events for more information!
A large, complex market

Constructing a modern building always involves the installation of ample lengths of pipe, serving a broad array of purposes:

- Hot and cold drinking water plumbing;
- Radiator connections;
- Hydronic radiant heating & cooling systems: underfloor heating, ceiling cooling, in-wall heating/cooling (including systems based on thermal mass, solar and geothermal heat pumps);
- Removal of soil and waste water;
- Supply of gas for heating and cooking;
- Supply of water for sprinklers and fire-fighting;
- Electrical conduits and ducts;
- Ventilation and air-conditioning;
- Distribution of compressed air and/or vacuum.

Many of these are relatively new applications. Others used to be based on pipe systems made of metals and other traditional materials. Increasingly, however, polymers are used to manufacture such pipe systems. Plastic pipes offer light weight, design flexibility, fast installation, resistance to corrosion, superior sustainability and cost effectiveness.

An innovative, dynamic industry

Few outsiders realise how complex this industry is. It utilises many various types of thermoplastic resins to manufacture pipes and accessories. Often different thermoplastics (and other materials, such as aluminium and reinforcing fibers) are used in the same product, in multi-material, multi-layer, composite structures. Polymeric materials frequently used in such applications include PEX, PE-RT, polypropylene, PVC and C-PVC, EVOH, HDPE, ABS, various polyamides, as well as high performance polymers such as PVDF, PSU, PPS, PPSU, etc.

This is an industry that constantly develops and innovates. There are advances in additives, raw materials, component and system design, machinery and process, testing and quality assurance. Further innovation occurs in response to new market needs (such as new applications) and ever more exacting customer requirements. Many of these innovations, for instance, provide solutions to the search for sustainability; others address the needs of customer and installers – especially faster and more reliable installation, as well as longer service life.

A captivating conference

As a rule, plastic pipes conferences focus on large diameter, infrastructure pipes, which are typically installed underground. Plastic pipes installed above ground, inside buildings are a different category – with a different set of requirements, a largely separate, dedicated supply chain and a different set of customers. Smaller diameter pipes used inside buildings can be and are exported over longer distances, which gradually engender an international, global approach.

This complex, sophisticated global industry deserves a dedicated event. The annual Plastic Pipes Inside Buildings conference aims to become such an event. It will bring together in an ideal setting the various links in the supply chain, enabling them to network, interact, exchange views and initiate new collaborations.
<table>
<thead>
<tr>
<th><strong>MONDAY 16 OCTOBER 2017</strong></th>
<th><strong>WEDNESDAY 18 OCTOBER 2017</strong></th>
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<tbody>
<tr>
<td><strong>18:00 – 20:00</strong> Registration</td>
<td><strong>08:30 – 09:00</strong> Registration, welcome coffee</td>
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<tr>
<td><strong>19:00 – 20:00</strong> Networking Cocktail Reception</td>
<td><strong>09:00 – 09:10</strong> Opening announcements</td>
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<tr>
<td><strong>TUESDAY 17 OCTOBER 2017</strong></td>
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<tr>
<td><strong>08:00 – 09:00</strong> Registration, welcome coffee</td>
<td><strong>09:10</strong> Problems with soldering copper pipes; plastic pipes as solutions</td>
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<tr>
<td><strong>09:00 – 09:10</strong> Opening announcements</td>
<td>Dr. Simon Reddy, Lecturer in Plumbing &amp; Building Technologies, CITY COLLEGE PLYMOUTH &amp; UNIVERSITY OF PLYMOUTH</td>
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**Session 1: Quality Assurance & Sustainability**

**09:10** Trends & developments in the global market for hot & cold water pipes  
Mr. Noru Tsalic, CEO, NORTAL CONSULTING

**09:40** 4 Steps to integral drinking water hygiene  
Mr. Peter Schaub, Global Market Segment Manager Building Technology, GEORG FISCHER PIPING SYSTEMS LTD.

**10:10** Pipes and the planet: the environmental impact of plastic pipes in buildings  
Mr. Oliver Bannert, International Product Manager In-House Systems & Sustainability Manager, PIPELIFE INTERNATIONAL GMBH

**10:40 – 11:10** Coffee break

**11:10** Noise behaviour of wastewater pipe systems  
Mr. Bernd Kaltbeitzel, Research Associate – Building Acoustics, FRAUNHOFER IBP

**11:40** Voluntary certification – the proof of product quality  
Mr. Anton Wohlgemuth, Manager Water Products Certification, DVGW CERT GMBH

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**Session 2: Innovation in Materials**

**12:10** Crosslinked PE for hot and cold water piping systems – a comparison of technologies  
Dr. Holger Bruening, Application Development & Technical Service, LYONDELLBASELL

**12:40 – 14:00** Lunch

**14:00** Influence of chemical disinfection on hot & cold water piping systems  
Mr. Dieter Scholz, Product Manager Pipes, SILON

**14:30** Innovative applications with polybutene  
Mr. Christian Engel, Director, POLYBUTENE PIPING SYSTEMS ASSOCIATION and THERMAFLEX

**15:00 – 15:30** Coffee break

**15:30** The Intelligence On Things: novel anti-counterfeiting technique for plastic pipes  
Mr. Nadav Goldstein, VP Business Dev. & Innovation, KAFRIT GROUP

**16:00** Polymer solutions in domestic water management  
Mr. Hans Pierik, Global Marketing Manager Pipe & Utilities, SABIC

**16:30** Metal replacement in water, heat & other meters: what added value can the High Performance Polymers bring?  
Dr. Ing. Philippe Martin, Customer Technical Development EMEA, SOLVAY SPECIALITY POLYMERS

**20:00 – 22:00** Conference Dinner (speakers & dinner registrations only)

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**Session 3: Novel Applications**

**11:40** Heating and cooling with geothermal systems  
Mr. Alfons Ebnöther, Export Manager, HAKAGERODUR AG

**12:10** An innovative polymer radiator platform for heating and cooling  
Mr. Roland Diethelm, Head of R&D Competence Center Radiators, ZEHNDER GROUP INTERNATIONAL AG

**12:40 – 14:00** Lunch

**14:00** An innovative concept with glass fiber reinforced polyamide modules creating versatile manifolds for heating and cooling applications  
Mr. Richard W.J.P. Bijlard, Marketing Director, U-TUBE SYSTEMS BV

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**Session 4: Pipework design and installation**

**09:40** Using BIM to bring Hot & Cold system design to the next level  
Mr. Jan Ellenbaas, Business Unit Director Hot & Cold Systems, WAVIN

**10:10** Novel, safe and cost effective jointing system for multilayer pipes  
Mr. Kees van der Donk, CEO, SMARTWELD BV

**10:40 – 11:10** Coffee break

**11:10** How PP-R pipes can maximize efficiency: from design to installation to operating costs  
Mr. Jorge Quintana, Export Director, AQUATHERM GMBH

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**Session 5: It’s all about the Future**

**14:30** What will the future bring to this industry?  
Q & A session with a panel of experts including: Mr. Oliver Bannert, International Product Manager In-House Systems & Sustainability Manager, PIPELIFE  
Mr. Jan Ellenbaas, Business Unit Director Hot & Cold Systems, WAVIN  
Mr. Peter Schaub, Global Market Segment Manager Building Technology, GEORG FISCHER  
Dr. Simon Reddy, Lecturer in Plumbing & Building Technologies, CITY COLLEGE & PLYMOUTH UNIVERSITY

**15:20 – 15:30** Closing remarks

**15:30 – 16:00** Farewell coffee

**16:00** Conference ends, see you in 2018!

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The conference organisers reserve the right to alter the programme without notice. The latest programme can be viewed on the conference website www.plastic-pipes.events.
**REGISTRATION FORM**

Company: ____________________________
Address: ____________________________

Post code: ____________________________ Country: ____________________________
VAT #: (only for EU companies) ____________________________
Company activity: ____________________________
Purchase order #: (if applicable) ____________________________
Invoice address (if different from above): ____________________________

Signature: ____________________________ Date: ____________________________

**DELEGATE DETAILS**

Title: ____________________________ First name: ____________________________
Surname: ____________________________
Position: ____________________________
Tel: ____________________________
Mobile: ____________________________
E-mail: ____________________________
Dietary/other special requirements: ____________________________

**SERVICES & COSTS**

**Admission fee (please fill-in the amount)**

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<thead>
<tr>
<th>Duration</th>
<th>Fee (€)</th>
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<tr>
<td>Until 9 June 2017</td>
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<tr>
<td>After 9 June 2017</td>
<td>€1090+€207.10=€1297.10</td>
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</tbody>
</table>

**Conference Dinner**

Takes place on 17 Oct. 2017: €75+€14.25=€89.25 €

**Table-top display package (includes 1 delegate admission fee)**

Companies resident outside Germany

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<tbody>
<tr>
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<tr>
<td>After 9 June 2017</td>
<td>€1400+€207.10=€1607.10</td>
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Companies resident in Germany

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<tr>
<th>Duration</th>
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<td>€1200+€228=€1428</td>
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<tr>
<td>After 9 June 2017</td>
<td>€1400+€266=€1666</td>
</tr>
</tbody>
</table>

**PAYMENT OPTIONS (please tick one)**

- By bank transfer (details will be e-mailed) □
- By credit card (link for secure payment will be e-mailed) □
  Accepted: most common credit and debit cards

Name (if different from the delegate) ____________________________
E-mail (if different from the delegate) ____________________________

**Remarks**

* 19% German VAT
** 19% German VAT partially applicable

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**Plastic Pipes Inside Buildings 2017**

**CONFERENCE INFORMATION**

When: 16-18 October 2017

Where: Lindner City Plaza Hotel
Magnusstraße 20
D-50672 Köln (Cologne)
Germany

Tel: +49 (0)221 2034 700
Fax: +49 (0)221 2034 777
E-mail: info.cityplaza@lindner.de

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**DESIGNED FOR LEARNING & NETWORKING**

The combination of professional and social sessions provides a perfect setting. Ensure you are at the market’s cutting edge in terms of knowledge, while meeting key industry participants in an ideal, relaxed atmosphere.

Circa 20 papers will be delivered as part of the **two-day professional programme**. Presentation sessions alternate with coffee and lunch breaks – superb opportunities to exchange opinions with speakers and other attendees. The Cocktail Reception (16 October) and Conference Dinner (17 October) provide additional networking opportunities.

**PROMOTE YOUR COMPANY**

Sponsorships are brilliant ways to generate awareness to your company’s position in the industry, as well as to promote its products and services. Please contact us to learn about available sponsorship opportunities.

**TABLE-TOP EXHIBITION**

Table-top displays are excellent value for money, as each includes the admission fee for 1 delegate. Exhibitors typically use special tables provided by the hotel. Please check with us first if you wish to bring your own stand or display.

**ADMISSION**

The admission fee includes attendance at all conference sessions, the Networking Cocktail Reception, lunch and refreshment breaks on both conference days, as well as a set of conference proceedings.

**ACCOMMODATION**

Lindner City Plaza is a modern, trendy hotel, only a few minutes’ walk from Cologne’s renowned Cathedral and from the Rhine.

**Attendees are responsible for booking their own accommodation.**

The organisers have negotiated a limited number of rooms at the rate of €149 for a single and €179 for a double (including VAT, breakfast and use of fitness facilities). To book at this reduced rate, please e-mail or call the hotel directly, quoting “PPIB 2017”.

**CANCELLATIONS**

Full refunds, less a cancellation charge of €200, can only be made on cancellations received prior to 16 June 2017. Thereafter we regret that no refunds can be made. However, delegates may be substituted at any time. Please note that refunds cannot be given on table top bookings or sponsorship packages at any time.

**ADDITIONAL INFORMATION**

Please visit [www.plastic-pipes.events](http://www.plastic-pipes.events), call us at +44(0)7702784375 or e-mail your questions to nt@plastic-pipes.events.