2nd International Conference on Polycarboxylate Superplasticizers (PCE 2017)

September 27 - 28, 2017
Munich, Germany

www.pce-conference.org

Hosted by
**Aim of the conference**

PCE 2017 will offer a unique opportunity for the PCE community to discuss important developments, exchange new ideas, consider latest market trends and at the same time stimulate further exploration of the PCE technology.

On one hand, participants can gain knowledge from scientific lectures while on the other hand PCE 2017 offers insights into practical aspect of PCE application.

---

**Wednesday, September 27, 2017**

**MW 0350 Egbert-von-Hoyer-Hörsaal**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30–10:15</td>
<td>Prof. Johann Plank, <em>Chemistry of PCE Superplasticizers</em></td>
<td></td>
</tr>
<tr>
<td>10:15–11:00</td>
<td>Prof. Johann Plank, <em>Industrial Production of PCE Polymers</em></td>
<td></td>
</tr>
<tr>
<td>11:00–11:30</td>
<td>COFFEE BREAK</td>
<td></td>
</tr>
<tr>
<td>11:30–12:30</td>
<td>Dr. Lei Lei, <em>Characterization of PCE Superplasticizers</em></td>
<td></td>
</tr>
<tr>
<td>12:30–14:00</td>
<td>LUNCH BREAK</td>
<td></td>
</tr>
<tr>
<td>14:00–15:30</td>
<td>Dr. Jeknavorian, <em>Defoaming Technologies for Polycarboxylate-based Superplasticizers</em></td>
<td></td>
</tr>
<tr>
<td>15:30–16:15</td>
<td>Prof. Johann Plank, <em>Application Aspects of PCEs</em></td>
<td></td>
</tr>
</tbody>
</table>

**Program subject to changes**

*Date: 17.07.2017*
Aim of the conference

PCE 2017 will offer a unique opportunity for the PCE community to discuss important developments, exchange new ideas, consider latest market trends and at the same time stimulate further exploration of the PCE technology. On one hand, participants can gain knowledge from scientific lectures while on the other hand PCE 2017 offers insights into practical aspect of PCE application.

Thursday, September 28, 2017

MW 1801 Ernst-Schmidt-Hörsaal

09:00 Opening
09:10 Welcome and organizational details
Prof. Johann Plank/ Dr. Lei Lei

Oral presentation I
Chair: Prof. Johann Plank

09:30–10:00 Dr. Ara Jeknavorian
Jeknavorian Consulting Services, US
Overview of the Concrete Applications enabled by Polycarboxylate-based Admixtures and Proposal for future direction for PCE technology development

10:00–10:20 Jürg Weidmann, Sika, CH
PCE with well-defined structures as powerful concrete superplasticizers for alkali-activated binders

10:20–10:40 Dr. Verena Feldmann, Clariant, D
Polyglycols and Polyetheramines as Macromonomers for PCEs

10:40–11:00 COFFEE BREAK & POSTER SESSION

Oral presentation II
Chair: Dr. Lei Lei

11:00–11:20 Dr. Christian Trieflinger, BASF, D
Stabilizing Cement Based Formulations Against Segregation & Bleeding

11:20–11:40 Dr. Robert Baumann, Dow, CH
Clay Tolerant Concrete Superplasticizers

11:40–12:00 Dr. Jun Ren, CABR, CN
Effectiveness and Impact of Polycarboxylate Slump-retaining Admixture in Fresh Concrete

12:00–12:20 Prof. Ozge Akbulut
Sabanci University, TR
Design and synthesis of a PCE-based superplasticizer for calcium aluminate cement

12:20–14:00 LUNCH BREAK
Aim of the conference

PCE 2017 will offer a unique opportunity for the PCE community to discuss important developments, exchange new ideas, consider latest market trends and at the same time stimulate further exploration of the PCE technology.

On one hand, participants can gain knowledge from scientific lectures while on the other hand PCE 2017 offers insights into practical aspects of PCE application.

Thursday, September 28, 2017

MW 1801 Ernst-Schmidt-Hörsaal

Oral presentation III
Chair: Dr. Gerhard Albrecht

14:00–14:20 Claudio Limone, Cemex, CH
Kinetic modelling of the synthesis of polycarboxylate ether via acrylic copolymers partial esterification

14:20–14:40 Ting Li, CBMA, CN
Preparation And Performance of Ultraretarded-releasing Polycarboxylate Superplasticizer

14:40–15:00 Iñaki Emaldi
University of the Basque Country, ES
Understanding the Effect of the Microstructure of MEPG-PCEs on Ordinary Portland Cements (OPC)

15:00–15:20 Dr. Zichen Lu
Tsinghua University, CN
Mechanism of Retardation Effect of Polycarboxylate Superplasticizer on Cement Hydration

15:00–15:20 COFFEE BREAK & POSTER SESSION

Oral presentation IV
Chair: Dr. Ara Jeknavorian

15:40–16:00 Dr. Bin Yu, COSL, CN
Solving Negative Additive–Additive Interactions in Oil Well Cement Slurries Containing PCEs

16:00–16:20 Dr. Julia Stroh, BAM, D
Direct Insight into the Admixture Activity During Cement Hydration Using Levitated Droplet Method

16:20–16:50 Prof. Johann Plank, TUM, D
Future Perspectives of PCE technology

16:50–17:00 Award Ceremony for Dr. Gerhard Albrecht, BASF

17:00–17:10 Closure

19:00 CONFERENCE DINNER
@ Hofbräuhaus München