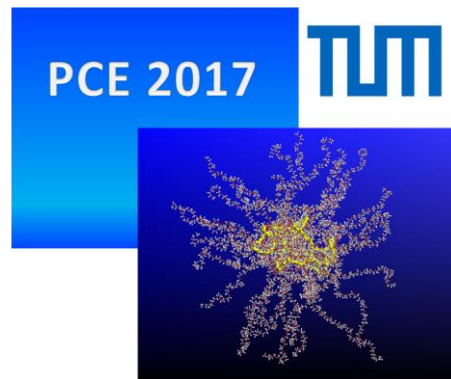




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**2nd International Conference on
Polycarboxylate Superplasticizers
PCE 2017**

27 - 28 September 2017, Munich, Germany

www.pce-conference.org

Hosted by



PROGRAM

Wednesday, September 27, 2017

MW 0350 Egbert-von-Hoyer-Hörsaal

WORKSHOP

09:30–10:15 Prof. Johann Plank
Chemistry of PCE Superplasticizers

10:15–11:15 Dr. Lei Lei
Characterization of PCE Superplasticizers

11:15–11:45 COFFEE BREAK

11:45–12:30 Prof. Johann Plank
Industrial Production of PCE Polymers

12:30–14:00 LUNCH BREAK

14:00–15:30 Dr. Ara Jeknavorian
Defoaming Technologies for Polycarboxylate-based Superplasticizers

15:30–16:15 Prof. Johann Plank
Application Aspects of PCEs

PROGRAM

Wednesday, September 27, 2017

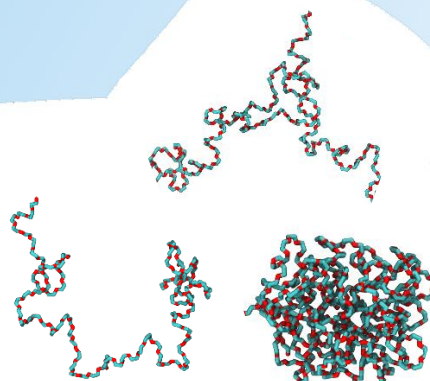
MW 0350 Egbert-von-Hoyer-Hörsaal

WORKSHOP

16:15–16:30 COFFEE BREAK

16:30–18:00 ***Lab Tour to Center For Advanced PCE Studies Demonstration of Synthetic and Analytical Instrumentation***

18:30 ***GET-TOGETHER @ Gasthof Neuwirt Garching***



Date: 11.09.2017

PROGRAM

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

PROGRAM

Thursday, September 28, 2017

MW 1801 Ernst-Schmidt-Hörsaal

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
Analysis of Influencing Factors and Mechanism of Delayed Plasticizing Effect of Polycarboxylate Superplasticiser in Cement Paste
- 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

PROGRAM

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 Super Slow-released 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 Cement (OPC)
- 15:00–15:30 Prof. Jianmin Zhu
Liaoning Oxiranchem Inc., CN
Current Situation and Development Trend of Polycarboxylate Ether Macromonomer in China
- 15:30–16:00 COFFEE BREAK & POSTER SESSION

PROGRAM

Thursday, September 28, 2017

MW 1801 Ernst-Schmidt-Hörsaal

Oral presentation IV

Chair: Dr. Ara Jeknavorian

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

POSTER

G. Ferrari, V. Russo, M. Gamba, G. Artioli,
M. C. Dalconi, L. Valentini, IT
***The Fatal Attraction between PCEs and Swelling
Clays***

A. Ramírez-Caro, B. Mota, E. Artemeva, J. Pauli,
W. Schmidt, U. Resch-Genger, D
***A Spectroscopic Study of the Superplasticizer
Effect on Early Cement Hydration***

J. Stecher, J. Plank, D
***Polyphosphate Comb Polymers – A Novel Kind of
Concrete Superplasticizer Exhibiting Unique
Properties***

L. Jiang, X. Kong, CN
***The effect of bivalent cations on the Performance
of Polycarboxylate Superplasticizers in Fresh
Cement Paste***

M. Ilg, J. Plank, D
***Non-ionic small molecules as flow-enhancers for
cementitious systems prepared at low w/c ratios***

D. A. Belov, D. M. Kuzmenkov, Y. V. Velugo, BY
***Comparative effectiveness of polycarboxylate
superplasticizers on cement-sand paste using
Belarusian-made cements***

J. Plank, M. Schönlein, D
***Study on the early crystallization of C-S-H in the
presence of polycarboxylate superplasticizers***

SOCIAL PROGRAM

**Wednesday, September 27, 2017
18:30**

**Get-together
Gasthof Neuwirth**
Münchener Str. 10
85748 Garching, Germany
Price per person € 15
(booking required upon registration)



**Thursday, September 28, 2017
19:00**

Conference Dinner
"Hofbräu Haus"
Platzl 9
80331 München, Germany
Price per person € 20 (Including 19% VAT)
(booking required upon registration)



MÜNCHEN © Hofbräuhaus

GENERAL INFORMATION

VENUE

Workshop & Conference

Department of Mechanical Engineering
(Maschinenwesen)

Eberhard von Kuenheim-Building
Boltzmannstr.15
85748 Garching, Germany
www.mw.tum.de

INFORMATION BEFORE AND AFTER THE CONFERENCE

Dr. L. Lei Secretary of PCE 2017

Technische Universität München
Lehrstuhl für Bauchemie
Lichtenbergstr. 4
85748 Garching bei München
Germany

www.pce-conference.org
Email: info@pce-conference.org
Tel.: +49 89 289 13161
Fax.: +49 89 289 13152

GENERAL INFORMATION

INFORMATION AND REGISTRATION DURING THE CONFERENCE

The conference office will be located in the foyer of the Eberhard von Kuenheim-Building (Department of Mechanical Engineering).

Opening hours:

| | |
|-------------------------------|---------------|
| Tuesday, September 26, 2017 | 16:00 – 18:00 |
| Wednesday, September 27, 2017 | 8:00 – 17:00 |
| Thursday, September 28, 2017 | 8:00 – 17:00 |

Tel: +491627198592

E-mail: mylinh.vo@bauchemie.ch.tum.de

REGISTRATION FEE

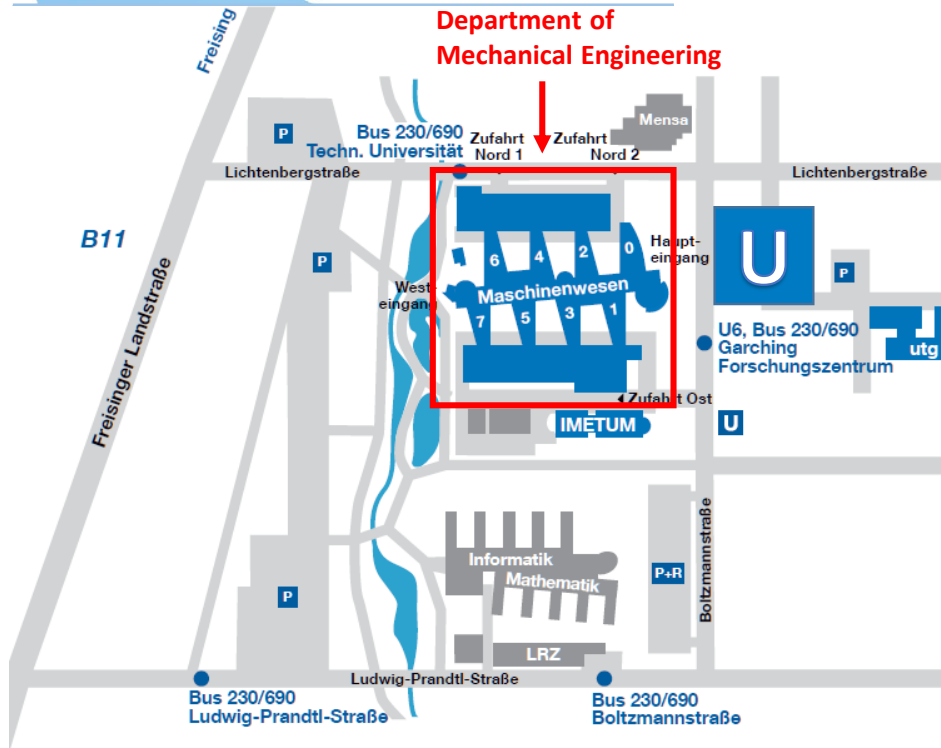
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|---|-----------------------|
| PCE Workshop (Sept. 27, 2017) | 180 € (regular price) |
| | 100 € (student price) |
| Full-day Conference (Sept. 28, 2017) | 260 € (regular price) |
| | 150 € (student price) |

All fees include 19 % VAT

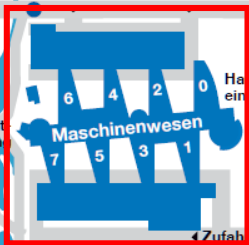
Online e-mail registration will close on Friday 22 September at 18:00 (local Munich time). After this date you will need to register at the On-Site Registration Desks at Department of Mechanical Engineering. **Upon On-Site registration, payment by cash is possible only.**

Cancellation: Requests for cancellation made prior to August 28, 2017 will be subject to a € 50 processing fee. Cancellations received after August 28, 2017 will not receive a refund.

MAP

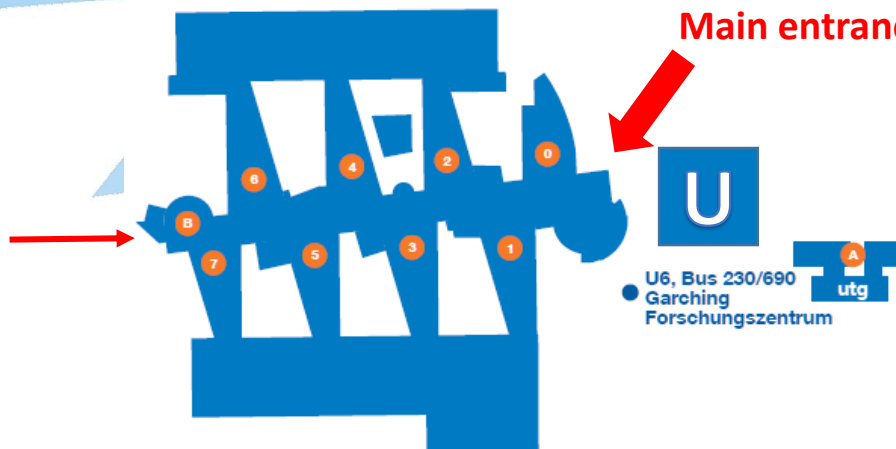


Department of Mechanical Engineering



Main entrance

Entrance from parking lot



Conference Building

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