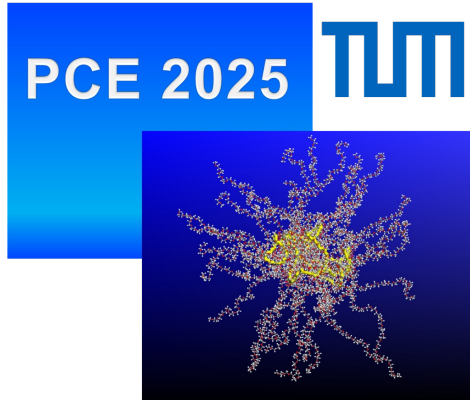


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**6th International Conference on
Polycarboxylate
Superplasticizers (PCE 2025)**

23 – 25 July 2025

Tentative Program

www.pce-conference.org

Hosted by



PROGRAM

Wednesday, 23 July 2025

Workshop

- 09:15–09:50 Prof. Johann Plank,
Technische Universität München, DE
Fundamentals of PCE Technology
- 09:50–10:20 Dr. Ara Jeknavorian,
Jeknavorian Consulting Services, US
Use of Nanosilica to Improve the Air-Void Quality of Air-entrained Concrete Superplasticizer with PCE
- 10:20–10:50 Prof. Lei Lei,
Hunan University, CN
Compositional analysis of PCE Superplasticizers
- 10:50–11:20 COFFEE BREAK
- 11:20–11:40 Dr. Seungtaek Oh & Y.G. Ju
Silkroad, South Korea
Presentation of Company & Concrete Experiments
- 11:40–12:00 Dr. M. Dekiouk & U. Gehrke
BUSS Chemtech AG, CH
Production of Alkoxyolate Precursors for PCEs in a safe and efficient process unit
- 12:00–13:00 LUNCH BREAK
- 13:00–18:00 Departure to Concrete Laboratory of
CPAC / Siam Cement Group
Demonstration of Optimized PCE Technology and 3D Printing using Calcined Clay Cement
(Max. 100 participants)

3

PROGRAM

Thursday, 24 July 2025

- 09:30 Opening and Welcome
Prof. J. Plank and Prof. N. Makaratat

Oral Presentations I

Chair: N.N.

- 09:50–10:20 Dr. Ara Jeknavorian,
Jeknavorian Consulting Services, US
Essential Role of PCE for Decarbonized Concrete
- 10:20–10:50 Dr. Gerhard Albrecht,
Technical Consulting Service, JP
Invisible heroes: The transformative power of polyether polymers in construction and beyond
- 10:50–11:15 Roenko A.V., Dr. Andrew Malinin et al.,
Evrosintez/Moscow State Univ., RU
HPEG vs. EPEG: Impact of PCE Synthesis on Concrete Performance
- 11:15–11:40 COFFEE BREAK
- 11:40–12:10 Dr. Roberta Alfani, Patrick Azar et al.,
Ecocem Materials, FR
ACT Technology – potential of ECOCEM's Low Clinker Binders for Sustainable Construction
- 12:10–12:40 Prof. Lei Lei,
Hunan University, CN
Next-Generation PCE for AAS Binders
- 12:40–13:00 Dr. Z. Wang, Dr. Yunhui Fang et al.,
KZI New Materials, CN
Structural Regulation & Performance of Green Low-Carbon PCEs
- 13:00–14:00 LUNCH BREAK

4

PROGRAM

Thursday, 24 July 2025

Oral presentations II

Chair: N.N.

- 14:00–14:25 Dr. C.E. Diesendruck & Dr. A. Mezhov, Technion – Israel Inst. of Tech., IL
Synthetic and Natural Polyphosphates as Superplasticizers
- 14:25–14:50 Dr. X. Zhang, Dr. Yunhui Fang et al., KZJ New Materials, CN
Preparation & Performance of Viscosity-Modified New PCEs
- 14:50–15:15 Qing Shen, Prof. Zhenping Sun et al., Tongji University, CN
Influence of PCE Phosphate Content on Cement Paste Rheology
- 15:15–15:40 Dr. M.Y. Yardimci, Dr. B. Aslan et al., Dokuz Eylul Uni./Kalekim Lyksor, TR
Silane-Functionalized PCE: A Novel Superplasticizer for Alkali-Activated Materials
- 15:40–16:10 COFFEE BREAK

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PROGRAM

Thursday, 24 July 2025

Oral presentations III

Chair: N.N.

- 16:10–16:30 Dr. X. Wang, Prof. Ziming Wang et al., Jiangsu ARIT/Beijing Univ. of Tech., CN
Molecular Design of Degradable Polycarboxylate Superplasticizer – Decoupling Dispersion from Retardation
- 16:30–16:55 Dr. Manuel Ilg, BASF Trostberg, DE
Selective Control of the Formation of Ettringite in Ternary Binder
- 16:55–17:15 Jiaxin Chen & Prof. Johann Plank, Technische Universität München, DE
Do PCEs adsorb preferentially on OPC or Calcined Clay?
- 17:15–17:30 Dr. Sakprayut Sinthupinyo, SCG Cement Co.,Ltd., TH
Improving Concrete Sustainability with Biochar and Polycarboxylate Ether (PCE)
- 17:30–17:45 D. Kosenko, A. Wetzels, Prof. B. Middendorf, University of Kassel, DE
PCE adsorption and flow properties in AAM as a function of phase development
- 19:00–22:00 CONFERENCE DINNER

6

PROGRAM

Friday, 25 July 2025

Oral presentations IV

Chair: N.N.

- 09:00–09:30 Dr. Ara Jeknavorian,
Jeknavorian Consulting Services, US
***A Review of Synergistic Interactions
between Polycarboxylates and other
Chemical Admixtures***
- 09:30–09:55 Dr. L. Tong, Prof. Ziming Wang et al.,
Jiangsu ARIT/Beijing Uni. of Tech., CN
***Optimizing PCE Structure & Per-
formance Through Process Control***
- 09:55–10:15 Shuang Zou, Prof. Zhenping Sun et al.,
Tongji University, CN
***Temperature-Controlled Molecular
Structure of Vinyl Ether PCE:
Implications on Dispersion Perfor-
mance and Cement Hydration***
- 10:15–10:35 Dr. Vipasri Kanchanason et al.,
SCG Cement Co.,Ltd., TH
***Effect of PCE on workability of LC3
from Thailand***
- 10:35–11:00 Sungjin Jung & Prof. Juhyuk Moon,
Seoul National University,, KR
***Enhanced hydration reaction of LC3:
particular emphasis on calcined clay
reactivity***
- 11:00–11:30 COFFEE BREAK

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PROGRAM

Friday, 25 July 2025

Oral presentations V

Chair: N.N.

- 11:30–11:55 Dr. R. Tanimoto, T. Nakano et al.,
Kao Corporation, JP
Design of a New Clay-Resistant Additive
- 11:55–12:20 Ye Pan, Prof. Zhenping Sun et al.,
Tongji University, CN
Synergy of PCE&Retarder in MK Cement
- 12:20–12:45 Dr. M. Cruickshank, Dr. R. Alfani et al.,
Ecocem Materials, FR
***Role of Superplasticizers on Pore
Solution of Eco-Efficient Cements***
- 12:45–13:00 Xinyue Wang & Prof. Johann Plank
Technische Universität München, DE
Slump Retention in High CC Cements
- 13:00–14:00 LUNCH BREAK

Oral presentations VI

Chair: N.N.

- 14:00–14:25 In Kuk Kang & Prof. Jae Hong Kim,
KAIST, KR
***Automated Exp. Evaluation of Cement
Dispersant on Rheological Properties***
- 14:25–14:50 Dr. Alexey Yalymov,
Sika LLC, Moscow, RU
***PCE Cluster In Sika Russia: Growth
History, Unique Facilities and Products***
- 14:50–15:10 Dr. Vivek Naik
Apple Chemie India Pvt. Ltd, IN
***PCE for Enhancing Concrete Durability:
The Indian Perspective***
- 15:10–15:40 COFFEE BREAK

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PROGRAM

Friday, 25 July 2025

Oral presentations VII

Chair: Prof. Johann Plank

- 15:40–16:10 Presenting the
Young Researcher Award
Awardee: Dr. Manuel Ilg
BASF Trostberg, DE
- 16:10–16:30 Prof. Johann Plank,
Technische Universität München, DE
***What comes next? The Future of
PCE Technology***
- 16:30–17:30 Panel discussion
***Decarbonization of the cement
industry – How does this transition
affect admixtures?***
- Panelists:
Prof. Dr. Johann Plank (Moderator)
Mr. Manasit Sarigaphuti, SCG
Dr. Roberta Alfani, Ecocem France
Dr. Oh Seungtaek, Silkroad S. Korea
Dr. Alexey Yalymov, Sika Russia
Dr. Vivek Naik, Apple Chemie India
- 17:30 Closure

GENERAL INFORMATION

AIM OF THE CONFERENCE

PCE 2025 will highlight the role of PCE superplasticizers the ongoing “green” transition of the cement industry, focusing on low-carbon binders and net-zero cements with SCMs. The program features advancements in PCE synthesis, global applications, expert insights, and opportunities for discussions on market trends and innovations.

REGISTRATION FEE

PCE 2025 Conference	690 € (regular price)
23 – 25 July 2025	300 € (student price)

Note: All local Thai participants, please register through our partner TCA.

INFORMATION BEFORE AND AFTER THE CONFERENCE

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