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Superplasticizers and Other Chemical Admixtures in Concrete—Conference Proceedings

Fourteenth International Conference
Munich, Germany

July 2026

Editors:
Lei Lei
Johann Plank
Terence C. Holland

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Always advancing

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Preface

In May 1978, the first 3-day conference on the use of superplasticizers in concrete was sponsored by the Canada Centre for Mineral and Energy Technology (CANMET) and the American Concrete Institute (ACI) in Ottawa, ON, Canada, with selected papers from the gathering published as ACI Special Publication SP-62.

The Second International Conference on the Use of Superplasticizers in Concrete took place in 1981 in Ottawa, ON, Canada, again under the joint sponsorship of CANMET and ACI, with the resulting technical proceedings published as ACI SP-68.

The Third International Conference hosted by CANMET and ACI was held in Ottawa, ON, Canada, in 1989 with the primary purpose of reviewing the technical progress achieved since the initial meetings in 1978 and 1981. This event marked a significant turning point for the series, as its scope was formally expanded beyond superplasticizers to include all other types of chemical admixtures. Furthermore, the conference successfully brought together representatives from the chemical admixtures, cement, and concrete industries to exchange information and delineate new areas of needed research. The comprehensive findings and technical contributions from this expanded dialogue were formally published by ACI as ACI SP-119.

The Fourth International Conference was held in Montreal, QC, Canada, in October 1994, sponsored by CANMET in association with ACI and other organizations, with proceedings published as ACI SP-148.

In October 1997, the Committee for the Organization of CANMET/ACI International Conference (ACI Council), in association with ACI and various Italian cement and concrete organizations, sponsored the Fifth conference in Rome, Italy, publishing the results as ACI SP-173.

The Sixth conference was hosted in Nice, France, in October 2000, where the ACI Council and partners from Canada and France accepted 37 papers for publication in ACI SP-195.

In October 2003, the ACI Council and organizations from Canada and Germany sponsored the Seventh conference in Berlin, Germany, featuring 39 papers published as ACI SP-217.

The Eighth conference was held in Sorrento, Italy, in October 2006, sponsored by the ACI Council, with 36 papers accepted and published as ACI SP-239.

In October 2009, the Committee for the Organization of International Conferences (COIC) sponsored the Ninth ACI International Conference in Seville, Spain, where 35 papers were accepted and published as ACI SP-262.

The Tenth International Conference on Superplasticizers and Other Chemical Admixtures in Concrete took place in Prague, Czech Republic, in October 2012, sponsored by COIC, resulting in 33 accepted papers published as ACI SP-288.

In July 2015, COIC and ACI sponsored the Eleventh International Conference on Superplasticizers and Other Chemical Admixtures in Concrete in Ottawa, ON, Canada, where more than 36 refereed papers were accepted and published as ACI SP-302.

The Twelfth International Conference on Superplasticizers and Other Chemical Admixtures in Concrete was hosted in Beijing, China, in October 2018, sponsored by the Chinese Ceramic Society (CCS) and the China Academy of Building Research (CABR) in association with ACI, with 36 refereed papers published as ACI SP-329. Fifty-four additional papers were presented and were published in the Supplementary Papers volume.

In July 2022, following a postponement due to the pandemic, the ACI Italy Chapter and the University of Bergamo sponsored the Thirteenth International Conference on Superplasticizers