

**ELEVENTH INTERNATIONAL  
CONFERENCE ON  
SUPERPLASTICIZERS AND OTHER  
CHEMICAL ADMIXTURES IN  
CONCRETE**

**HOTEL INFORMATION,  
REGISTRATION DETAILS AND  
TENTATIVE PROGRAM**

**July 12-15, 2015  
THE WESTIN HOTEL  
OTTAWA, CANADA**

**Website :<http://www.intconference.org>**

Issued March, 2015

**ELEVENTH INTERNATIONAL  
CONFERENCE ON  
SUPERPLASTICIZERS AND OTHER  
CHEMICAL ADMIXTURES IN  
CONCRETE**

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**July 12-15, 2015  
THE WESTIN HOTEL  
OTTAWA, CANADA**

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***Members***

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Materials Technology Inc.  
Sackville, NS

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Mapei, ITALY

**Johann Plank**

Technische Universität München, GERMANY

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## REGISTRATION FEE

For more details see the registration card:

<b>Before June 1<sup>st</sup>, 2015</b>	<b>After June 1<sup>st</sup>, 2015</b>
<b>Developed Countries</b> \$850 <sup>.00</sup> U.S.	\$950 <sup>.00</sup> U.S.
<b>Students/Developing Countries</b> \$500 <sup>.00</sup> U.S.	\$600 <sup>.00</sup> U.S.

## COMBINED REGISTRATION FEE

The combined registration for both Superplasticizer Conference and Advances in Concrete Technology Conference will be:

<b>Before June 1<sup>st</sup>, 2015</b>	<b>After June 1<sup>st</sup>, 2015</b>
<b>Developed Countries</b> \$1,200 <sup>.00</sup> U.S.	\$1,300 <sup>.00</sup> U.S.
<b>Students/Developing Countries</b> \$700 <sup>.00</sup> U.S.	\$800 <sup>.00</sup> U.S.

### **The registration fee will include:**

- Admission to all sessions and receptions
- Coffee breaks
- A printed copy of the conference proceedings
- A printed volume of the supplementary papers

## ACCOMPANYING PERSON REGISTRATION FEE

\$150<sup>.00</sup> U.S.

This includes admission to all receptions  
and awards banquet.

## **CONFERENCE LANGUAGE**

The language of the conference will be English.

No simultaneous translation will be available.

## **REGISTRATION DETAILS**

Registration desk will open at the conference hotel at

14:00 on Sunday, July 12, 2015

## **CONFERENCE OPENING**

- The Superplasticizer Conference opening session will be a 08:45, Monday, July 13, 2015

## **REGISTRATION CANCELLATION FEE**

Cancellations after July 1, 2015 will be subject to a cancellation fee of \$300.00 U.S.

## **HOTEL REGISTRATION INFORMATION**

### **Room Type**

Single: \$179<sup>.00</sup> (Canadian) + 16% Tax

Double: \$219<sup>.00</sup> (Canadian) + 16% Tax

*Note: Hotel Room Rates Do Not Include Breakfast*

### **Payment and Reservation Guarantee**

Credit Card: Visa Amex Master Card

### **Reservation cut-off date:**

*June 10, 2015*

## **FOR RESERVATIONS PLEASE CONTACT:**

THE WESTIN HOTEL

11 Colonel By Drive, Ottawa, ON Canada

Toll free: 1-800-937-8461

or 1-613-560-7000

Or visit the HOTEL WEB SITE below to book, modify or cancel a reservation.

<https://www.starwoodmeeting.com/StarGroupsWeb/booking/reservation?id=1407234432&key=3B1C3CBC>



**OPENING WINE AND CHEESE RECEPTION**

**Sunday, July 12, 2015**

**18:00 – 19:30**

**RECEPTION**

**Sponsored by Industrial Co-Sponsors**

**Monday, July 13, 2015**

**18:00 – 21:30**

**DINNER IN HONOUR OF**

**Ara Jeknavorian, U.S.A.**

**Harald Justnes, Norway**

**Ioanna Papayianni, Greece**

**Tuesday, July 14, 2015**

**19:00 – 21:00**

**Tickets: \$30<sup>00</sup> U.S.**

**POSTER PRESENTATIONS**

**There will be a number of Poster Presentations  
by Authors from Various Countries**

**RECEPTION AND AWARDS BANQUET**

**Wednesday, July 15, 2015**

**18:30 – 22:00**

**AWARDEES**

**Silvia Collepari, Italy**

**Benoit Fournier, Canada**

**Doug Hooton, Canada**

**Ivan Janotka, Slovakia**

**Roberto Magarotto, Italy**

**Pierre -Claver Nkinamubanzi, Canada**

**Johann Plank, Germany**

**The awards banquet will be followed by a  
cultural event.**

**Tickets: \$40<sup>.00</sup> U.S.**

**TECHNICAL VISITS**

**Friday, July 16, 2015**

**14:00 – 17:00**

**CANMET Exposure Site for  
Long-term Performance of  
Concrete Containing Reactive Aggregates**

**and/or**

**National Research Council of Canada**

**Cost: \$25<sup>.00</sup> U.S.**

**ELEVENTH INTERNATIONAL CONFERENCE ON SUPERPLASTICIZERS AND  
OTHER CHEMICAL ADMIXTURES IN CONCRETE – JULY 12-15, 2015**

**(Please type or print clearly)**

Family name \_\_\_\_\_ First name \_\_\_\_\_

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Details of Registration Fees are on the reverse side of this card

Return card and fee to:  
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Fee Enclosed: \_\_\_\_\_

**EVENTH INTERNATIONAL CONFERENCE ON SUPERPLASTICIZERS AND  
OTHER CHEMICAL ADMIXTURES IN CONCRETE – JULY 12-15, 2015**

**The conference registration fees will be:**

	<u>Before</u> <u>June 1<sup>st</sup> 2015</u>	<u>After</u> <u>June 1<sup>st</sup> 2015</u>
<u>Delegates from developed countries (Superplasticizer Conference only):</u>	\$850.00 US	\$950.00 US
<u>Combined registration (Advances and Superplasticizers Conferences):</u>	\$1200.00 US	\$1300.00 US
<u>Developing Countries/Students (Superplasticizers Conference only):</u>	\$500.00 US	\$600.00 US
<u>Combined registration (Advances and Superplasticizers Conferences):</u>	\$700.00 US	\$800.00 US

**Payment**

Check enclosed (make check payable to "Ottawa Conference 2015")

Charge to my MasterCard / Visa only # \_\_\_\_\_

Signature: \_\_\_\_\_ Expiry date: \_\_\_\_\_  
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**MONDAY, JULY 13, 2015**  
**OPENING CEREMONY**  
**08:45 – 09:00**

**INTRODUCTORY REMARKS**  
**V.M. Malhotra, Chairperson**  
**Committee for the Organization of International**  
**Conferences**

**OPENING SESSION**  
**09:00 - 10:30**

**Chairperson: Charles Nmai**  
**BASF Corporation, USA**

**Proceedings**

- **Effects of Particle Volume Fraction and Size on Polysaccharide Stabilizing Agents**  
Wolfram Schmidt, Sarah Peters and Hans-Carsten Kühne,  
BAM Fed. Institute for Materials Research and Testing,  
GERMANY

**Supplementary**

- **The Influence of C3A on the Dissolution Kinetics of Alite/Gypsum Mixtures in the Presence of PCEs**  
Giorgio Ferrari , Vincenzo Russo and Massimo Dragoni,  
Mapei SpA, ITALY  
Gilberto Artioli , Maria Chiara Dalconi, Michele Secco,  
Leonardo Tamborrino and Luca Valentini, University of  
Padua, ITALY

**Proceedings**

- **Influence of Temperature and Retarder on Superplasticizer Performance**  
Karen Luke and Adrian Torres, Trican Well Service,  
CANADA

**Proceedings**

- **New Additive to Enhance the Slump Retention**  
David Platel, Jean-Marc Suau, Clement Chosson, and  
Yves Matter Coatex SAS, FRANCE

**COFFEE BREAK**  
**10:30 - 11:00**

**MONDAY, JULY 13, 2015**

**SESSION 2**

**11:00 - 12:30**

**Chairperson: R.J. Flatt**  
ETH Zürich, SWITZERLAND

**Supplementary**

- **Evaluation of Rheological and Mechanical Properties of Fiber Reinforced Set-Accelerated Shotcretes for Tunnel Lining**

Luigi Coppola, Alessandra Buoso, University of Bergamo, and Franco D'Alessandro, BASF, ITALY

**Proceedings**

- **Synthesis of a Novel Superplasticizer Prepared from Brown Coal**

M. Ilg and J. Plank, Technische Universität München, GERMANY

**Proceedings**

- **Putting Concrete to Sleep and Waking It Up With Chemical Admixtures**

L. Reiter, M. Palacios, T. Wangler, R.J. Flatt, Institute of Building Materials, ETH Zürich Switzerland

**Supplementary**

- **Study on the Interaction Mode of NFS with PCE and its Effects on Dispersing Property in Cement Paste**

Huiqun Li and Xiao Liu, Beijing University of Technology, CHINA

Zuobao Song and Ting Li, China Building Materials Academy, CHINA

Ziming Wang, Beijing University of Technology, CHINA

**Supplementary**

- **Influence of Lignosulfonate on Cement Pastes as a Function of C<sub>3</sub>A and K<sub>2</sub>O Contents**

Serina Ng and Harald Justnes, SINTEF Building and Infrastructure, NORWAY

**LUNCH**

**12:30 - 14:00**

**MONDAY JULY 13, 2015**

**SESSION 3**

**14:00 - 15:30**

**Chairperson: Johann Plank**

Technische Universität München, GERMANY

**Proceedings**

- **Effect of Clinker Grinding Aids on Static Yield Stress of Cement Pastes**

Joseph J. Assaad and Salim E. Asseily, Holderchem Building Chemicals S.A.L., LEBANON

**Supplementary**

- **Volume Stable Concrete Using Shrink Reducing and Expansive Agents and It's Application in Structures with Sensitive Cracking Behavior**

Kaspars Kravalis, Nodar Al-Manasir, Mapei AS, NORWAY

**Proceedings**

- **A <sup>13</sup>C NMR Spectroscopic Study On The Repartition Of Acid And Ester Groups In Mpeg Type Pces Prepared Via Radical Copolymerization And Grafting Techniques**

Julia Pickelmann and Huiqun Li, Technische Universität München, GERMANY,

Robert Baumann, Dow Europe, SWITZERLAND,  
Johann Plank, Technische Universität München, GERMANY

**Supplementary**

- **Crack-Reducing Admixture for Increased Durability in Concrete Structures**

Charles Nmai, Steve Schaef and Dan Vojtko, BASF Corporation, USA

**COFFEE BREAK**

**15:30 - 16:00**

**MONDAY JULY 13, 2015**

**SESSION 4**

**14:00 - 15:30**

**Chairperson: Giorgio Ferrari**

University of Padua, ITALY

**Supplementary**

- **The Challenges of using Antifreeze Admixtures in Concrete Science: Casting During Cold Weather**  
Nodar Al-Manasir and Dan Arve Juvik, Mapei AS, NORWAY, Anne-Lena Kjøniksen, Østfold University College, NORWAY

**Supplementary**

- **Synthesis of Cation Copolymer for Clay Resistant Chemicals used in PCE-Clay in Mortar**  
Rongbing Bian, Lotte Chemical China Company, P.R. CHINA, Xia, Lv and Shu Liu, Oxiranchem Yangzhou Company, P.R. CHINA

**Proceedings**

- **Influence of Superplasticizer on Flocculation Degree of Cement Suspensions**  
Lucia Ferrari and Pascal Boustingorry, CHRYSO, FRANCE

**Supplementary**

- **Compatibility Between Superplasticizers and Metakaolin Blended Cementitious Systems**  
Burak Uzal, Behnaz Hosseinzadeh Zaribaf and Kimberly Kurtis, Georgia Institute of Technology, USA

**COFFEE BREAK**

**15:30 - 16:00**



**MONDAY JULY 13, 2015**

**SESSION 5**

**16:00 - 17:30**

**Chairperson: Mario Collepardi**

**Enco, ITALY**

**Proceedings**

- **Properties of a New Type of Polycarboxylate Admixture for Concrete Using High Volume Blast Furnace Slag Cement**  
S. Tamaki, K. Saito and K. Okada, Takemoto Oil and Fat Co., Ltd., JAPAN  
D. Atarashi and E. Sakai, Tokyo Institute of Technology, JAPAN

**Proceedings**

- **Synthesis and Properties of High Solid-content Polycarboxylate Superplasticizer**  
Yongwei Wang, Liya Wang, Yongsheng Liu and Zepeng Chu, Shandong Provincial Academy of Building Research, CHINA

**Supplementary**

- **Study on the Foaming Behaviour of Polycarboxylate Superplasticizers with Hydrophobic Side Chains**  
Liya Wang, Yongwei Wang, Yongsheng Liu, Zepeng Chu and Yangxian Li, Shandong Provincial Academy of Building Research, CHINA

**Supplementary**

- **2D-LC for Characterizing Polycarboxylate Superplasticizers**  
G. Gelardi, F. Caruso, M. Palacios, S. Jakob, J. Rao, R. J. Flatt, . ETH Zurich, SWITZERLAND

**MONDAY JULY 13, 2015**

**SESSION 6**

**16:00 – 17:30**

**Chairperson: Carmel Jolicoeur**  
Université de Sherbrooke, CANADA

**Supplementary**

- **Impact of Polycarboxylate Superplasticizers on Polyphased Clinker Hydration**

D. Marchon, ETH, SWITZERLAND

P. Juilland and L. Frunz, Sika Technology AG,  
SWITZERLAND

M. Palacios and R. J. Flatt, ETH, SWITZERLAND

**Supplementary**

- **Mechanism of Superplasticizer Action in Early Cement Hydration**

Yuta Ohtsuka, Daiki Atarashi, Masahiro Miyauchi and  
Etsuo Sakai, Tokyo Institute of Technology, JAPAN

**Proceedings**

- **A Simplified Preparation Method for PCES Involving Macroradicals**

L. Lei and J. Plank, Technische Universität München,  
GERMANY

**Proceedings**

- **Mastering Flow Loss in Superplasticized Cementitious Systems**

S. Mantellato, Q. Mehmeti, L. Ceni, M. Palacios and R.J.  
Flatt, Institute of Building Materials, SWITZERLAND

**Supplementary**

- **Influence Mechanism of Montmorillonite on the Performance of Polycarboxylate Superplasticizer and the Solving Measures**

Xiao Liu, Ziming Wang, Hao Wu, Ying Xu and Huiqun  
Li, Beijing University of Technology, CHINA

**TUESDAY, JULY 14, 2015**

**SESSION 7**

**09:00 - 10:30**

**Chairperson: Ara Jeknavorian**

Consultant, U.S.A.

**Proceedings**

- **Impact of Slags Contained in Blended Cements on the Dispersing Effectiveness of PCE Superplasticizers**

Ahmad Habbaba and Johann Plank, Technische Universität München, GERMANY

**Proceedings**

- **Preparation and Characterization of Star-Shaped Polycarboxylate Superplasticizer**

Xiao Liu, Ziming Wang, Jie Zhu, Ming Zhao, Wei Liu and Dongjie Yin, Beijing University of Technology, CHINA

**Proceedings**

- **Influence of Diester Content in Macromonomers on the Performance of MPEG-Based PCES**

J. Paas, M. W. Müller and J. Plank, Technische Universität München, GERMANY

**Proceedings**

- **Evidences about the Interactions between Grinding Aids and Cement Particles Surface**

Valerio Antonio Paternò, Sara Ottoboni , Politecnico di MilanoMarco Goisis , Italcementi, ITALY  
Paolo Gronchi, Politecnico di Milano, ITALY

**COFFEE BREAK**

**10:30 - 11:00**

**TUESDAY, JULY 14, 2015**

**SESSION 8**

**09:00 - 10:30**

**Chairperson: Claude Bédard**

Euclid Canada, CANADA

**Supplementary**

- **A Study on the Impact of Different Clay Minerals on the Dispersing Force of Conventional and Modified Vinyl Ether Based Polycarboxylate Superplasticizers**  
L. Lei and J. Plank, Technische Universität München, GERMANY

**Proceedings**

- **The Effect Of C3A on the Dissolution Kinetics of Alite/Gypsum Mixtures in the Presence Of PCEs**  
Giorgio Ferrari, Vincenzo Russo, Massimo Dragoni, Gilberto Artioli, Maria Chiara Dalconi, Michele Secco, Leonardo Tamborrino and Luca Valentini, University of Padua, ITALY

**Supplementary**

- **The Preparation and Performance of Novel Macromolecular Shrinkage-Reducing Admixture for Concrete**  
Nanxiao Gao, Jiaping Liu, Qianping Ran, Min Qiao and Yinhui Yu, State Key Laboratory of High Performance Civil Engineering Materials, CHINA

**Proceedings**

- **Preparation and Mechanism Study of Slow-Release Polycarboxylate Superplasticizers**  
Jinzhi Liu, Jiaping Liu, Yong Yang, Dongliang Zhou and Qianping Ran, State Key Laboratory of High Performance Civil Engineering Materials, CHINA

**COFFEE BREAK**

**10:30 - 11:00**

**TUESDAY, JULY 14, 2015**

**SESSION 9**

**11:00 - 12:30**

**Chairperson: Harald Justnes**

SINTEF Building and Infrastructure, NORWAY

**Proceedings**

- **The Effect of Pore Solution Composition on Zeta Potential and Superplasticizer Adsorption**

Dirk Lowke and Christopher Gehlen, Technische Universität München, GERMANY

**Proceedings**

- **Optimization of the Structural Parameters and Properties of PCE Based on the Length of Grafted Side Chain**

Zi-Ming Wang, Beijing University of Technology, P.R. CHINA

Zi-Chen Lu, Tsinghua University, P.R. CHINA

Xiao Liu, Beijing University of Technology, P.R. CHINA

**Supplementary**

- **Extraordinary Slump Retention by Tailoring of PC Hydration**

Anatoly Vovk, Polyplast Novomoskovsk Ltd, RUSSIA

**Proceedings**

- **Effect of Expansive Agents and Shrinkage Reducing Admixtures on the Performances of Fiber Reinforced Mortars**

M. Collepari, ENCO, ITALY

V. Corinaldesi, S. Monosi and A. Nardinocchi, Università Politecnica delle Marche, ITALY

**LUNCH**

**12:30 - 14:00**

**TUESDAY, JULY 14, 2015**  
**SESSION 10**  
**11:00 - 12:30**

**Chairperson: Wolfram Schmidt**  
BAM Federal Institute for Materials Research and  
Testing, GERMANY

**Proceedings**

- **Interactions Between Cements with Calcined Clay and Superplasticizers**  
Jens Herrmann and Jörg Rickert, VDZ GmbH,  
GERMANY

**Proceedings**

- **Modification of Fresh State Properties of Portland Cement-Based Mortars by Guar Gum Derivatives**  
Alexandre Govin, Marie-Claude Bartholin, and Philippe Grosseau, École Nationale Supérieure des Mines de Saint-Étienne, FRANCE

**Supplementary**

- **Research of the Influence of the Chemical Structure on the Adsorption Amount of Superplasticizer on The Surface of Cement Particles**  
Shen-cheng Tan, Huan Zhang and Zui-liang Deng, East China University of Science and Technology, P.R. CHINA  
Zui-liang Deng, Bai-cun Zheng and Le-feng Fu, Shanghai Engineering Research Center of Construction Admixtures, P.R.CHINA

**Proceedings**

- **Blended Antifreezing Admixture with Extreme Freezing-Point**  
Anatoly Vovk, Polyplast Novomoskovsk Ltd, RUSSIA

**LUNCH**  
**12:30 - 14:00**

**TUESDAY, JULY 14, 2015**  
**SESSION 11**  
**14:00 - 15:30**

**Chairperson: Karen Luke**  
Well Service, CANADA

**Supplementary**

- **Optimization of Reaction for the Development of HRWR Based on Polycarboxylate with Secondary Effects**  
Giovanni Mantegazza and Alessandra Gatti, Ruredil Spa, ITALY

**Proceedings**

- **Interaction of Polycarboxylate-Based Superplasticizer/Poly(Vinyl Alcohol) with Bentonite and its Application in Mortar with Clay-Bearing Aggregates**  
Weishan Wang, Zuiliang Deng, Zhongjun Feng, Lefeng Fu and Baicun Zheng, Shanghai Sunrise Polymer Co., Ltd., P.R.CHINA

**Supplementary**

- **Influence of Synthetic Process on the Copolymer Composition and Properties of Polycarboxylate Ether Superplasticizer**  
Zhongjun Feng, Shaohua Wang, Lefeng Fu and Baicun Zheng, Shanghai Sunrise Polymer Co., Ltd., P.R.CHINA

**Proceedings**

- **Effect of the stereochemistry of Polyols on the Hydration of Cement: Influence of Aluminate and Sulfate Phases**  
Camille Nalet and André Nonat, Laboratoire Interdisciplinaire Carnot de Bourgogne, FRANCE

**COFFEE BREAK**  
**15:30 - 16:00**

**TUESDAY, JULY 14, 2015**

**SESSION 12**

**14:00 - 15:30**

**Chairperson: Theodore (Ted) Bremner**

University of New Brunswick, CANADA

**Proceedings**

- **A New Accelerator Approach for Improved Strength Development**  
Franz Wombacher, Christian Bürge, Emmanuel Gallucci, Patrick Juilland and Gilbert Mäder, Sika Technology, SWITZERLAND

**Proceedings**

- **Sorption Kinetics of Superabsorbent Polymers in Cement Pastes Quantified by Neutron Radiography**  
Christof Schröfl and Viktor Mechtcherine, Technische Universität Dresden, GERMANY

**Proceedings**

- **Study on the Rheology of Fly Ash Versus Calcined Marl Blended Cements with Polycarboxylate-Based Superplasticizers**  
Serina Ng, and Harald Justnes, SINTEF Building and Infrastructure, NORWAY

**Supplementary**

- **New Route To Synthesize Biobased PCE Superplasticizer**  
Joerg Zimmermann, Sika Technology AG, SWITZERLAND  
Clara Fiuza, Sika Services AG, SWITZERLAND  
Oliver Blask, Sika Deutschland GmbH, Germany,  
Jürg Schlumpf, Sika Services AG, SWITZERLAND

**COFFEE BREAK**

**15:30 - 16:00**



**TUESDAY, JULY 14, 2015**  
**SESSION 13**  
**16:00 - 17:30**

**Chairperson: Pierre-Claver Nkinamubanzi**  
National Research Council, CANADA

**Proceedings**

- **Study on the Cement Compatibility of PCE Superplasticizers**  
A. Lange and J. Plank, Technische Universität München, GERMANY

**Supplementary**

- **Preparation and Application of Low Shrinkage and Early Strength Polycarboxylate Superplasticizer**  
Gao-Ming Wang, Chun-Yang Zheng, Yi Wang, Wei Li and Yan-ran Shi, ARIT New Materials Co.Ltd, CHINA

**Supplementary**

- **Adsorption of Air-Entraining Agents Quantified by Tensiometry**  
Lori E. Tunstall, Robert K. Prud'homme and George W. Scherer, Princeton University, USA

**Supplementary**

- **Synthesis, Application and Working Mechanism of High Early-strength Polycarboxylate Superplasticizer**  
Liangliang Shui, Zhenping Sun and Zhizi Sun, Tongji University, CHINA  
Qiong Luo, Shanghai Dongda Chemical Company Limited, CHINA

**TUESDAY, JULY 14, 2015**  
**SESSION 14**  
**16:00 - 17:30**

**Chairperson: James Beaudoin**  
National Research Council, CANADA

**Supplementary**

- **Mechanism of Void Formation by Air-Entraining Agents**

Lori E. Tunstall, Robert K. Prud'homme and George W. Scherer, Princeton University, USA

**Proceedings**

- **Enhancement Workability Retention of Concrete Containing Natural Zeolite by Superplasticizers' Combination**

Hessam Azarijafari and Mohammad Shekarchi,  
University of Tehran, IRAN  
Javad Berenjian, Tabari Institute of Higher Education,  
IRAN  
Babak Ahmadi, Amir Kabir University, IRAN

**Proceedings**

- **Fluidity Change of Cement Paste with Superplasticizer by K<sub>2</sub>SO<sub>4</sub> and KF**

Kazuki Matsuzawa, Daiki Atarashi, Masahiro Miyauchi and Etsuo Sakai, Tokyo Institute of Technology, JAPAN

**Proceedings**

- **Cement Recycling System Using Sodium Gluconate**  
Daiki Atarashi and Yutaka Aikawa, Tokyo Institute of Technology, JAPAN

Yuya Yoda and Masahiro Miyauchi, Shimizu Institute of Technology, JAPAN  
Etsuo Sakai, Tokyo Institute of Technology, JAPAN

**Supplementary**

- **Polyacrylamide and the Rheology of Cement Paste**

Hela Bessaies-Bey, Université Paris Est, FRANCE  
Robert Baumann, Marc Schmitz and Michael Radler,  
Dow Construction Chemicals, SWITZERLAND  
Nicolas Roussel, Université Paris Est, FRANCE

**WEDNESDAY, JULY 15, 2015**

**SESSION 15**

**09:00 - 10:30**

**Chairperson: Wilbert (Wib) Langley**

W.S. Langley Concrete & Materials

Technology Inc., CANADA

**Supplementary**

- **Use of Chemical Admixtures to Enable Successful Manufacture of Concrete with Low Portland Cement Content**

Ara A. Jeknavorian, Jeknavorian Consulting Services, USA

Josephine Cheung, W.R. Grace, USA

Eric Kohler, Titan America, USA

**Proceedings**

- **The Influence of Paste Thixotropy on the Form work-Filling Properties of Concrete**

Lucia Ferrari and Pascal Boustingorry, Chryso, FRANCE

**Proceedings**

- **Interaction of Montmorillonite with Poly(Ethylene Glycol) and Poly(Methacrylic Acid) Polymers: Consequences on the Influence of Clays on Superplasticizer Efficiency**

Rachid Ait-Akbour, Christine Taviot-Guého, Fabrice Leroux, Pascal Boustingorry and Frédéric Leising, Chryso, FRANCE

**Supplementary**

- **A New Admixture Generation for a New Concrete Generation**

Alexander Kraus, J. Dengler, J. Bokern and O. Mazanec, BASF, Construction Solutions GmbH, GERMANY

N. Moins, BASF France S.A.S, FRANCE

**COFFEE BREAK**

**10:30 - 11:00**

WEDNESDAY, JULY 15, 2015

SESSION 16

11:00 - 12:30

**Chairperson: Luigi Coppola**

Universita' DeGli Studi Di Bergamo, ITALY

**Proceedings**

- **Plasticizing Geopolymer-Type Suspensions: A Challenge**

L. Nicoleau, M. Pulkin and T. Mitkina, BASF  
Construction Chemicals, GERMANY

**Supplementary**

- **Influence of Linear Polycarboxylate Superplasticizer on Property of Building Gypsum**

Jian-jun Pang, Hao Wang and Dong-min Wang, China  
University of Mining & Technology, CHINA

**Proceedings**

- **Admixture Concepts for the Sub-Saharan African Environment with Indigenous Raw Materials**

Wolfram Schmidt and Nsesheye S. Msinjili, BAM  
Federal Institute for Materials Research and Testing,  
GERMANY

John K. Makunza, University of Dar es Salaam,  
TANZANIA

Herbert C. Uzoegbo, University of the Witwatersrand,  
SOUTH AFRICA

**Supplementary**

- **Study on Properties of Polycarboxylate Superplasticizer with Complex Initiation System**

Hao Wang, Jian-Jun Pang, Dong-Min Wang and Qi-Bao  
Wang, China University of Mining & Technology,  
CHINA

**LUNCH**

**12:30 - 14:00**

**WEDNESDAY, JULY 15, 2015**

**SESSION 17**

**14:00 - 15:30**

**Chairperson: Nabil Bouzoubaâ**

**CANMET, CANADA**

**Supplementary**

- **Rheological and Mechanical Performances of Concrete Manufactured with Hybrid Admixtures Based on Phosphonates**

L. Coppola and S. Lorenzi, UNIVERSITA' DEGLI STUDI DI BERGAMO, ITALY

M. Bellotto, BOZZETTO SPA, ITALY

**Supplementary**

- **Effect of Fly Ash on the Consumption of Lignosulfonate by Cement Paste**

Alessia Colombo, Klaartje De Weerd, Mette Geiker, Norwegian University of Science and Technology

(NTNU), Norway, Harald Justnes, SINTEF, NORWAY

**Supplementary**

- **Adsorption of Polymers in Cement Pastes: First Order Physical Trends**

Hela Bessaies-Bey, Université Paris Est, FRANCE

Robert Baumann, Marc Schmitz and Michael Radler, Dow Construction Chemicals, SWITZERLAND

Nicolas Roussel, Université Paris Est, FRANCE

**Supplementary**

- **Synergistic Interaction Between Superplasticizer and Viscosity Agent in Cement Paste**

Hela Bessaies-Bey, Université Paris Est, FRANCE

Robert Baumann, Dow Construction Chemicals, SWITZERLAND

Nicolas Roussel, Université Paris Est, FRANCE

**COFFEE BREAK**

**15:30 - 16:00**

**WEDNESDAY, JULY 15, 2015**  
**AWARDEES SESSION**  
**16:00 – 17:25**

**Chairperson: Nelu Spiratos**  
Prodexim International Inc., CANADA

- **Summarizing the History and Current Status of Superplasticizers and Chemical Admixtures**  
Johann Plank, Technische Universität München, GERMANY
- **The Use of Chemical Admixtures in Concrete: The Synergy between Chemistry and Civil Engineering**  
Pierre-Claver Nkinamubanzi, National Research Council, CANADA
- **Title to be Announced**  
R. Magarotto, BASF Construction Chemicals, ITALY

**CLOSING REMARKS:**  
**17:25- 17:30**

**V.M. MALHOTRA, Chairperson**  
**Committee for the Organization of International**  
**Conferences**