

First Announcement and Call for Papers
8th International Conference on
Water Repellent Treatment and Protective Surface Technology for Building
Materials (Hydrophobe-2017), 7-9 December 2017, Hong Kong, China
<http://www.polyu.edu.hk/cee/Hydrophobe-2017/>

Co-organised by:



青島理工大學
Qingdao University of Technology

1. INTRODUCTION

The 8th International Conference on Water Repellent Treatment and Protective Surface Technology for Building Materials (Hydrophobe 2017) will be held in Hong Kong, China, 7-9 December, 2017. Since its launch in 1995 in Delft, the Hydrophobe conferences have travelled to Zurich (1998), Hannover (2001), Stockholm (2004), Brussels (2008), Rome (2001) and Lisbon (2014). The conference will be jointly hosted by the Department of Civil and Environmental Engineering (CEE) of The Hong Kong Polytechnic University, Faculty of Engineering of Hokkaido University and School of Civil Engineering of Qingdao University of Technology. Following the well-established tradition of the series, Hydrophobe-2017 will provide an international forum for all concerned with the application of water repellent and other protective surface technologies in civil engineering to exchange recent advances in both research and practice, and to strengthen international collaboration for the future development in the field. An important motivation to host Hydrophobe 2017 in Hong Kong is to bring this conference for the first time to Asia where construction of infrastructure booms, and to reflect the worldwide development of water repellent treatment and protective surface technology for construction and building materials over the last few decades.

2. CONFERENCE TOPICS

Water repellent and other surface treatment technologies such as surface sealing, polymer coating and inorganic overlaying, and surface impregnation are efficient solutions for durability enhancement and protective maintenance of building and civil infrastructure, particularly when they are exposed to severe environments. The use of the above surface treatment technologies has been tremendously increased over the past three decades, not only for repair and prevention of existing structures but also for construction of new structures. The long-established aim of the Hydrophobe International Conference series is to bring together professionals active in the broad field of water repellent treatment and protective surface technology of building and construction materials. The following list of topics is not exhaustive, and all papers falling within the general scope of the conference will be considered:

- Water repellent treatment
- Surface sealers
- Surface coatings
- Polymer protective systems
- Thin inorganic overlays
- Physics of surfaces; transport mechanisms in surface treated porous materials;
- Numerical simulation of mass flow into surface treated porous materials;
- Nano-coating technology
- Surface treatment of inorganic porous building materials and glass;
- Anti-graffiti and self-cleaning methods;
- New products for special applications;
- Technology, quality control, and standardization;
- Durability, sustainability and life cycle evaluation;
- Case-studies;
- Environmental impact assessment.

3. CALL FOR PAPERS

Authors are invited to submit abstracts of approximately 200 words by **January 31, 2017** by email to: hydrophobe.2017@polyu.edu.hk. The name(s) and affiliation(s) of all author(s), and the email and postal address of the corresponding author should be included. An accepted paper should be presented at the conference.

4. IMPORTANT DATES

Submission of abstracts	January 31, 2017
Notification of abstract review result	March 1, 2017
Submission of papers	May 1, 2017
Notification of paper review result	July 1, 2017
Submission of revised papers	September 1, 2017
Acceptance of revised papers	September 15, 2017
Early registration	September 30, 2017
Conference	December 7-8, 2017
Post-conference technical tour	December 9, 2017

5. REGISTRATION FEES

Early full registration	HK\$3,875 (by 1 October 2017)
Full registration	HK\$4,650 (after 1 October 2017)
Student registration	HK\$3,100

6. ORGANIZING COMMITTEE

Chair:	Jian-Guo DAI, The Hong Kong Polytechnic University, Hong Kong
Co-chairs:	Hiroshi YOKOTA, Hokkaido University, Japan Tie-Jun ZHAO, Qingdao University of Technology, China
Members:	Klaus LITTMANN (Germany), Tiao WANG (Japan), Xiao XUE (China), Peng ZHANG (China)

7. INTERNATIONAL SCIENTIFIC COMMITTEE (*In alphabetical order*)

Chair: Folker H. WITTMANN (Germany)

Members:

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ZHAO Yuxi (China)		

8. PROCEEDINGS

The proceedings will consist of a hardcopy book of all accepted papers plus a USB disk containing a soft copy of all accepted papers.

9. ABOUT HONG KONG

Hong Kong is located within the Pearl River Delta region, which is one of the most developed regions in China. Hong Kong is easily accessible by all means of transport. The international airport of Hong Kong is only 35 minutes away by taxis from downtown Kowloon where the campus of The Hong Kong Polytechnic University is located. Both Chinese and English are official languages in Hong Kong. More information about Hong Kong can be found at the following web site:

<http://www.discoverhongkong.com/uk/index.jsp>