

Keping Yan
Editor

Electrostatic Precipitation

11th International Conference on
Electrostatic Precipitation, Hangzhou, 2008



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Electrostatic Precipitation

**11th International Conference on Electrostatic
Precipitation, Hangzhou, 2008**

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Prof. Hongdi Zhang (1933 - 2008)

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Preface

We are pleased to welcome you to Hangzhou for ICESP XI. The concept of providing a forum for the exchange of information on research and application of electrostatic precipitation originated with Dr. Harry J. White. Then, the first conference was held in Monterey, California, USA, in October 1981. And the succeeding meetings were held in Kyoto, Abano Terme, Beijing, Washington DC, Budapest, Kyongju, Birmingham, South Africa, and Australia.

The focus of this meeting is on fundamental and applied electrostatic precipitation, bag filter, FGD, SCR and non-thermal plasmas for multi-pollutants emission control, such as PM_{2.5}, SO_x, NO_x, Hg, VOC, and HC.

We dedicate the open session to Prof. Hongdi Zhang for his outstanding contributions to the organization of Chinese Society of Electrostatic Precipitation, the development of ESP and non-thermal plasma techniques. He was the first Secretary of Chinese Society of Electrostatic Precipitation, and one of the advisory committee members of ICESP XI. Prof. Zhang was born in Jan 1933 in Liaoning, and received his B.S. degree from Northeastern University, China in 1956. Then, he joined the Beijing Municipal Institute of Labour Protection to work on environmental protection. He is one of Chinese pioneers to dedicate their life to ESP, even during the period of the so-called Chinese Cultural Revolution. Back to the early of 1970's, Prof. Zhang established an ESP lab with the institute to study ESP for dust, aerosol, and gas cleaning. Around 1988, together with Prof. Ruinian Li, he promoted the first non-thermal plasma project in China to study DeNO_x and DeSO₂. For over his 50 years professional life, he contributed himself not only to ESP industries but also to education and students. Unfortunately, Prof. Zhang passed away in July 2008, leaving many unfinished works. We would like to thank his family, his students, friends and Chinese ESP committee for encouraging us to dedicate the open session in memory of Prof. Hongdi Zhang.

We would also like to acknowledge financial supports from local Chinese industries, National Natural Science Foundation. All students in my laboratory provided invaluable assistance in preparing this conference. They are W. Chen, Y. Huang, X. Li, X. Tang, X. Zhang, Z. Zhang, J. Zhu, and H. Yan. We also like to thank Mr. Sun Hairong from the press company for his help to revise this proceeding.

We thank all the authors for their high quality contributions, session chairs, ISESP board, local organizing and advisory committee members for their comments and assistances.

Prof. dr. Keping Yan
2008-10-08

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