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Circulating Fluidized Bed Technology IX



Proceedings
of the

**9th International Conference on
Circulating Fluidized Beds**

in conjunction with the

**4th International VGB Workshop
“Operating Experience with
Fluidized Bed Firing Systems”**



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PREFACE

CFB-9 is the ninth conference in a series which started 1985 in Halifax/Canada. The conferences following took place 1988 in Compiègne/France, 1990 in Nagoya/Japan, 1993 in Hidden Valley/USA, 1996 in Beijing/China, 1999 in Frankfurt/Germany, 2002 in Niagara Falls/Canada and 2005 in Hangzhou/China. The International Conferences on Circulating Fluidized Beds address both the fundamental and applied aspects of circulating fluidized beds and fluidized bed systems. A particular characteristic of these conferences is the balanced participation of experts from industry and academia.

A particular highlight of CFB-9 is the 4th International VGB Workshop "Operating Experience with Fluidized Bed Firing Systems" which was integrated into the Conference. Organized together with VGB PowerTech – the Germany based international association of power plant owners – this workshop provides a forum for the exchange of operating experiences with large-scale fluidized bed combustion systems.

In addition, the IEA Working Party on Fluidized Bed Combustion has joined the Conference. The IEA-FBC group has organized the session "Co-combustion and ash related phenomena".

A total of four plenary lectures and 179 papers in this book provide a comprehensive overview on the state of art of fluidization technology and on current trends and developments. Three sessions on oxyfuel firing and chemical looping combustion and gasification illustrate the significance of fluidization for the development of CO₂ capturing technologies.

The editors would like to take this opportunity to thank the many colleagues who devoted much of their time to review the manuscripts and thus helped to keep the scientific standard of these proceedings.

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