

**Proceedings of the Tenth International
Conference on Circulating Fluidized Beds
and Fluidization Technology – CFB-10**

CFB-10

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Editor**

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PREFACE

The first of the several International Conferences on Circulating Fluidized Beds was held in Halifax, Nova Scotia, Canada in 1985. CFB-10 is the tenth conference in this series. The previous conference locations are listed below:

- CFB-1 Halifax, Canada (1985)
- CFB-2 Compiègne, France (1988)
- CFB-3 Nagoya, Japan (1990)
- CFB-4 Hidden Valley, USA (1993)
- CFB-5 Beijing, China (1996)
- CFB-6 Würzburg, Germany (1999)
- CFB-7 Niagara Falls, Canada (2002)
- CFB-8 Hangzhou, China (2005)
- CFB-9 Hamburg, Germany (2008)

The CFB conferences have been forums where both fundamental and experimental presentations have been made by both academic and industrial participants. The conferences are held approximately every three years, and are a place in which researchers in the field can come together to discuss the state of the art in the field.

Although the first nine conferences were primarily forums on circulating fluidized beds, the tenth conference has been expanded to include other types of fluidized bed studies as well. The official title - International Conference on Circulating Fluidized Beds and Fluidization Technology-CFB-10 - reflects this added scope.

The papers in the proceedings range from experimental papers presenting new data on fluidizing systems to the latest results from modelers on fluidized bed systems. All papers have been peer reviewed by colleagues working in the field. I would like to thank all of the reviewers who have contributed their time to review the papers to ensure that the presentations are of high quality. The names of the reviewers are listed in the pages following this Preface. I would also like to thank the organizing committee for the conference without whose contributions and suggestions the conference could not have been held. A list of the members of the CFB-10 Organizing Committee is shown on the following page.

Finally, I would especially like to thank Mr. Ray Cocco for his considerable help in setting up the conference abstract and paper data base, and for contributing his organizational skills.

Ted Knowlton
Chicago, Illinois, USA
April 2, 2011

PREFACE

CFB-10 Organizing Committee

- Dr. Hamid Arastoopour, Illinois Institute of Technology
- Dr. Xiaotao Bi, University of British Columbia
- Dr. Ye-Mon Chen, Shell Global Solutions
- Dr. Ray Cocco, PSRI
- Dr. Rathna Davuluri, ExxonMobil Research and Engineering Company
- Dr. L-S. Fan, The Ohio State University
- Dr. Christine Hrenya, University of Colorado
- Dr. Reddy Karri, PSRI
- Dr. Dale Keairns, Booz Allen Hamilton
- Mr. Scott Moffatt, Ascend Performance Materials
- Dr. Todd Pugsley, University of Saskatchewan
- Dr. Larry Shadle, NETL
- Dr. Wen-Ching Yang, University of Pittsburgh