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Emerging Technologies

Of Pulping & Papermaking

Editors

LIU Huanbin,ZHAN Huaiyu and XIE Yimin

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Emerging Technologies of Pulping & Papermaking

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Foreward

In the new century, paperis playing more vital role in fthe cultural development of mankind with the rapid progress society, science and technology. Significant developments have been made in all area of pulping and papermaking, especially in genetic engineering on fiber resource, secondary fiber recycling, biobleaching, biobleaching, wet end chemistry , pollution control, computer simulation, process control and waste utilization. This provide both challenge and opportunity for the technologies associated with paper industry. Four year ago , the First International Symposium on Emerging Technology of pulping and Paperintg (ISETPP' 98) was held successfully at South China University of Technology. Seventy papers from 12 countries were published in the proceedings and all of them were cited by ISTP and CA. Some famous national librares in the world also collected the proceedings. Many researchers in universities, research in sitntes and enterprise suggest to organize the 2nd International Symposium on Emerging Technology of Pulping and Papering (2nd ISETPP) . This project is also supported by the National Natural Science Foundation of China. We believe that this Symposium will provide a forum for scientist and engineers involved in the research on paper science and technology to present new progress, new discovery, exchange idesls and understand the development of paper industry and relative scientific research in China.

This symposium has received support from scholars from all over the world . One hundredforty one papers from 12 countries have been accepted after critical review by the editors and other committee members. Seven papers were selected as Key Note Lectures and the others are to be presented in 6 sessions. The topics of the 6 sessions are as follows:

1. plant Fiber Chemistry and Genetic Ehgineering on Fiber Resources	20 papers
2. New Technologres of Chemical Pulping, Chemimechanical Pulping and Secondary Fiber Recycling	27 papers
3. New Technologies of Pulp Bleaching and Biobleaching	29 papers
4. New Technologies of Papermaking and Wet End Chemistry	25 papers
5. New Technologies of Effluent Treatment and Waste Utilization	22 papers
6. Equipment and Process Control in Pulping and Papermaking	11 papers

We would like to take this opportunity to express our sincere thanks to the organizing committee, secretariats and other staffs for their enthusiastic work in preparing the symposinm. The editors are grateful to all of the authors and for their kind cooperation and effort to make the symposium a success. We are also thankful to the National Natural Science Foundation of China, The Education Ministry of China, Gnangdong Province and South China University of Technology for their support to the symposium.

Liu Huanbin, Zhan Huanyu and Xie Yimin
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Section 5 New Technologies of Effluent Treatment and Waste Utilization

Section 6 Equipment and Process Control in Pulping and Papermaking

Key Note Lectures