



Shanghai
China
2005.10.19-21

"New Century, New Materials and New Life"

**Proceedings of 2005 International Conference on
Advanced Fibers and Polymer Materials (ICA FPM 2005)**

October 19 – 21, 2005
Shanghai, China

Volume I

Edited by
State Key Laboratory for Modification of
Chemical Fibers and Polymer Materials
Donghua University, China

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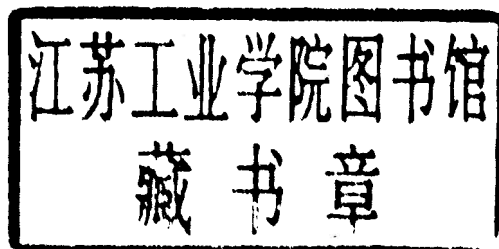


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Volume I

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Preface

World-wide interest in advanced fibers and polymer materials is continuing to grow rapidly. The “2005 International Conference on Advanced Fibers and Polymer Materials (ICAFM2005)”, under the great concerns of the worldwide scientists and scholars, is organized by State Key Laboratory for Modification of Chemical Fibers and Polymer Materials established by the Ministry of Science and Technology of China in 1992. The theme of this conference is Innovation, Collaboration and Competition. The Conference will provide the world polymer community with an opportunity to exchange the ideas, meet old friends and make new friends as well as discuss the mission and challenges of polymer science and technology in the 21st century. To cultivate interdisciplinary activities, close interaction is needed between scientists and technologists with different areas of expertise. Hence, in addition to outstanding polymer scientists and technologists, a couple of distinguished scientists and technologists from the fields of physics, biology, chemistry, and related areas have been invited to the conference.

In the coming years, the focus of polymer research will shift more towards collaborative, interdisciplinary projects and international partnerships will become more and more important. Mechanisms for more efficient collaboration will be pursued as part of the mission of the conference. Other topics of general significance, such as encouraging polymer physicists, polymer chemists, materials scientists and engineers to apply their models and methods to address targeted problems in polymer fields, will also fall within the scope of the meeting. In this sense, the meeting at each turn contributes a lot to the world's polymer industry. More than 300 research articles have been accepted by this conference. It is the honor of us, the host of this conference, to gather the participants' contribution and fruits of their presentation. Therefore, we elaborately compiled the proceedings of ICAFP2005 in hope that the proceedings associated with the theme of this conference may co-exist with the brilliant future of the world.

I hereby would like to extend our heartfelt gratitude to all the article contributors and participants of this conference, and cordial respect to all the personnel who have been making enormous efforts to ensure the success of this conference. Natural Science Foundation of China (NSFC), K. C. Wong Education Foundation, Polymer Division of Chinese Chemical Society China, some well-known companies as well as the friendly businesspersons and schoolfellows etc., are also greatly appreciated for their financial support.



Prof. Dr. Meifang ZHU

Director of State Key Laboratory for Modification of Chemical Fibers and Polymer Materials
Vice-President of Donghua University, Shanghai, China

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