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Shanghai
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2005.10.19-21

"New Century, New Materials and New Life"

Proceedings of 2005 International Conference on Advanced Fibers and Polymer Materials (ICAFPM 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

CHEMICAL INDUSTRY PRESS

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欢 迎 参 加
2005 年新型纤维与聚合物材料国际学术会议
化 纤 高 峰 论 坛

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为了使您更加顺利地参加本次会议，请注意以下事项:

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二、 化纤高峰论坛会议（工作语言: 中文）

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东华大学纤维材料改性国家重点实验室

东华大学材料科学与工程学院

2005 年 10 月 19 日

2005 化纤高峰论坛会议议程

会议地点:上海延安西路 1882 号

东华大学逸夫楼二楼

参会代表请佩带代表证，提前 10 分钟进入会场。

10 月 19 日，会议报到 9:00—21:00

10 月 20 日下午

时间　　议题

会议主持：王华平教授　东华大学材料学院副院长

会议主席：郁铭芳院士　东华大学材料学院

14:00　东华大学副校长吴楚武致开幕词

14:10　上海纺织（集团）有限公司副总裁朱勇致开幕词

14:15　中国化纤五十年回顾及展望

——东华大学原副校长　朱介民

14:45　新材料及产学研发展战略

——上海市经济委员会技术进步处处长、上海市产学研联合工作协调办公室主任　傅新华

15:15　中国化纤材料发展战略

——上海市科委高新处副处长　缪文靖

15:45　Coffee Break

16:00　制造业企业管理系统

——中国华源集团有限公司总裁　张　杰

16:30　中国石化化纤发展战略

——中国石油化工股份有限公司科技开发部化纤处处长　庄　毅

17:00　大容量涤纶设备国产化技术

——宏大化纤技术装备有限公司总经理　史佳林

18:30　**招待晚宴**

10 月 21 日上午

时间	议题	
	会议主席：王华平教授　东华大学材料学院副院长	
	季诚昌副教授　东华大学科研处副处长	
8:30	仪化新产品开发体系和战略	
	——中国石油化工股份有限公司仪征化纤技术中心主任	陈　昂
9:00	绿色纤维及产业化思考	
	——上海华源股份副总工程师	钱以竑
9:30	化纤行业信息化及其对产业的推动作用	
	——中国化纤总公司副总经理、化纤经济网董事长	端小平
10:00	Coffee Break	
10:10	腈纶工业现状及前景展望	
	——金山石化高级工程师	任铃子
10:40	Neumag S3 and S5 machines-advanced technology for BCF production	
	德国纽马格公司	Schemken
11:10	有机耐高温纤维的发展及其在产业领域的应用	
	——上海市合成纤维研究所	汪晓峰
11:40	大容量涤纶短纤维纺丝工艺和设备的发展趋势	
	——太平洋纺织机械成套设备有限公司	来可华
12:10	会议总结	
12:20	会议结束	
12:30	午餐	

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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 fiends 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 ICAFPM2005 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 heartful 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.

Zhu Meifang

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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