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PROCEEDINGS OF
THE SECOND INTERNATIONAL
CONFERENCE ON ADVANCED TEXTILE
MATERIALS & MANUFACTURING TECHNOLOGY

第二届先进纺织材料及加工技术
国际会议论文集

中国 浙江理工大学
先进纺织材料与制备技术教育部重点实验室

Zhejiang Sci-Tech University, China
Key Laboratory of ATMMT, Ministry of Education, China

纤维材料和加工技术浙江省重点实验室
生态染整技术教育部工程研究中心
浙江省纺织工程学会

Zhejiang Provincial Key Lab of Fiber Materials and Manufacturing Technology
Engineering Research Center for Eco-Dyeing & Finishing of Textiles,
Ministry of Education of China
Textile Engineering Institute of Zhejiang Province

主 编



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PREFACE

To provide a platform to exchange new ideas, new findings and new technologies for the worldwide textile science and technology, and promote the academic corporation in this area, the Second International Conference on Advanced Textile Materials & Manufacturing Technology, hosted by Zhejiang Sci-Tech University and organized jointly by the Key Laboratory of Advanced Textile Materials & Manufacturing Technology (Ministry of Education of China), Zhejiang Provincial Key Lab of Fiber Materials and Manufacturing Technology, Engineering Research Center for Eco-Dyeing & Finishing of Textiles (Ministry of Education of China) and Textile Engineering Institute of Zhejiang Province, was held on 20-24 October 2010 in Hangzhou, China.

About 110 scholars, specialists and students from universities, research institutes and enterprises in Australia, Canada, China (including Hong Kong), Iran, Japan, R.O. Korea, Singapore, the USA, the UK, and Sweden participated in the conference and presented their papers covering the following topics:

- Novel and high-performance fibers
- Textile composites and industrial textiles
- Advanced manufacturing technology of textiles & clothes
- Functional and smart textiles & clothes
- Eco-dyeing & finishing and pollution control technology
- Environment-friendly textile chemicals and novel synthesis technology
- Basic research and characterization technology in textile area
- Textile machinery, quality control and testing
- Others associated with above themes

The proceedings collect all the papers in the form of oral presentation or poster on the conference, and they can be used as references for the readers in the area of textile materials & manufacturing technology.

Finally, we, the organizers of the conference, would like to express our sincere thanks to all the participants for their supports and contributions to the conference, hoping that the proceedings would bring you nice memory on the conference.

Key Laboratory of Advanced Textile Materials & Manufacturing Technology (Ministry of Education of China), Zhejiang Sci-Tech University, China

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