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

先进纺织材料及加工技术 国际学术会议 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

日本 信州大学
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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 cooperation in this area, the International Conference on Advanced Textile Materials & Manufacturing Technology, organized by Zhejiang Sci-Tech University, the Key Laboratory of Advanced Textile Materials & Manufacturing Technology (ATMMT) of Ministry of Education of China, and Shinshu University, Global Centers of Excellence (COE) of Ministry of Education, Culture, Sports, Science and Technology of Japan, was held on 15-19 October 2008 in Hangzhou, China.

A total of 112 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 Vietnam participated in the conference and presented their papers covering following topics:

- Advanced manufacturing technology of fibers and textiles;
- Novel technology of textile dyeing and finishing / Eco-dyeing & finishing;
- Technical textiles, textile structured composite and nonwoven;
- Smart and functional textiles and clothes;
- Medical textiles;
- Textiles & clothes care technology;
- The speed exaltation, automatization and intellectualization of textile machines;
- Application of Nano-technology in fiber and textiles;
- Testing of fiber and textiles;
- Others associated with above themes.

The proceedings collect all the papers in the form of oral presentation or poster on the conference, and can be used as a reference for the reader 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 and hope that the proceedings would bring you nice memory on the conference.

Key Laboratory of ATMMT, Ministry of Education,
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