

Preface

Focusing on the printing and packaging field, “China Academic Conference on Printing and Packaging” is an international academic conference initiated by China Academy of Printing Technology and Beijing Institute of Graphic Communication in 2010. Co-hosted by China Academy of Printing Technology, Beijing Institute of Graphic Communication, and Hangzhou Dianzi University, and co-organized by Beijing Key Laboratory of New Technology of Printing and Packaging, China Academy of Printing Technology, School of Printing and Packaging Engineering of Beijing Institute of Graphic Communication, and School of Media and Design of Hangzhou Dianzi University, “2015 4th China Academic Conference on Printing and Packaging (CACPP 2015)” was held on Oct 22–24, 2015, at the International Education Training Center of Hangzhou Dianzi University.

By far, “China Academic Conference on Printing and Packaging” and its series of events have been held for six sessions. Due to the influence of the sponsors, academic foresight in the keynotes, and the active participation among scholars, the conference has become the most influential academic exchange activity in printing and packing field in China.

In 2015, the Chinese economic development has entered into a new period. The printing and packaging industry in China has maintained an annual growth at the rate of 10 %. By 2014, the gross output value in printing industry has topped to RMB 1133.4 billion, increasing by 9.0 %. In the meantime, the gross output value of the packaging industry has exceeded RMB 1480 billion, raking the second worldwide. In normal development period, enhancing the capability of independent innovation in enterprises, achieving the transforming and upgrading in industries have been considered as major goals. Therefore, as an academic exchange platform for scientific research and innovation, “China Academic Conference on Printing and Packaging” made great contribution in promoting communication between Chinese scholars and their international peers, sharing the advanced international achievements in this field, as well as discussing development trend of science and technology.

In accordance with the purpose of the conference, “2015 4th China Academic Conference on Printing and Packaging” focused on new manufacturing technology, green technology, and advanced material technologies. We invited Professor Yadong Yin from University of California, Professor Dongming Lu from Zhejiang University, Dr. Jose Maria Lagaron from the Institute of Agrochemistry and Food Technology of the Spanish Council for Scientific Research, and other internal famous scholars to make keynote speeches on structural color of photonic crystal, digital protection of cultural heritage, digital publishing service, and antibiotics food packaging. All the participants shared the latest research trends and achievements on optical and color science, cultural relics and digital storage, food safety, and so on.

The conference received 238 papers this year, including 4 keynote speeches and 234 oral presentations, among which 130 were selected to be published in *Lecture Notes in Electrical Engineering (LNEE)* (ISSN: 1876-1100) by Springer.

Here, we greatly acknowledge all the organizations that offered great support for the conference and they are as follows: Printing Technology Association of China, Chinese Society for Imaging Science and Technology, School of Printing and Packaging of Wuhan University, College of Communication and Art Design of University of Shanghai for Science and Technology, College of Light Industry and Food Sciences of South China University of Technology, Light Industry College of Harbin University of Commerce, College of Mechanical and Energy Engineering of Ningbo Institute of Technology of Zhejiang University, School of Biological and Chemical Engineering/School of Light Industry of Zhejiang University of Science and Technology, College of Light Industry Science and Engineering of Nanjing Forestry University, College of Printing and Packaging Engineering of Qilu University of Technology, College of Materials Science and Engineering of Beijing University of Chemical Technology, Department of Graphic Communication Arts of College of Communications, National Taiwan University of Arts, Faculty of Printing, Packaging Engineering and Digital Media Technology of Xi'an University of Technology, Zhengzhou Institute of Surveying and Mapping, College of Packaging and Printing Engineering of Tianjin University of Science and Technology, School of Mechanical Engineering of Jiangnan University, School of Light Industry and Chemical Engineering of Dalian Polytechnic University, College of Engineering of Qufu Normal University, College of Light Industry and Energy of Shaanxi University of Science and Technology, School of Packaging and Material Engineering of Hunan University of Technology, School of Media and Communication of Shenzhen Polytechnic, School of Food and Chemical Engineering of Beijing Technology and Business University, College of Material Science and Engineering of Zhengzhou University, National Taiwan University of Arts, University of California, College of Computer Science and Technology of Zhejiang University, and China Academy of Printing Technology.

We would like to express our gratitude to the 46 experts from China, Germany, Britain, and Japan for reviewing and recommending papers for the conference with strict standards.

We also thank Springer Publishing Company for offering us an international platform for publishing.

We look forward to our reunion at the next China Academic Conference on Printing and Packaging.

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