

Preface

China National Conference on Functional Materials and Applications (NCFMA) is a nationwide, comprehensive and open conference for academic and industrial exchange which held every three years. Nowadays, it has become one of most important and significant activity in the field of functional materials in China through twenty years' development. The eighth NCFMA was successfully held in Harbin from August 23th to 26th in 2013, which sponsored by China Instrument and Control Society Instrument Functional Materials Branch, National Instrument Functional Materials Engineering Technology Research Center, Chongqing Materials Research Institute and Chongqing Functional Materials Periodical Press, and executed by Harbin Institute of Technology

Aiming at “speeding up the independent innovation and industrialization of functional materials, making contribution to progress of science and technology of the new material”, the eighth NCFMA had adopted top-end academic exchanges, achievements Exhibition in materials research and functional materials science instruments and equipment exhibition as the main forms of communication, and organized exchange activities through keynote speeches, research reports, industry development reports, paper presentations, and wall newspapers. About 800 scientists, experts, professors, scholars and entrepreneurs at home and abroad from scientific research institutes, universities, academic societies and enterprises attended this conference, including members of Chinese Academy of Sciences Guangtian Zhou, Ze Zhang, Qikun Xue, Shutang Li and Zhonglin Wang, members of Chinese Academy of Engineering Liancheng Zhao, Yu Zhou and Li'an Hou , foreign professors C. Wilhur Peters , Ctirad Uher and Yunfeng Lu, deputy director of the National Natural Science Fund Committee Ruiping Gao, vice governor of Heilongjiang province Dongsheng Sun, president of Chongqing Materials Research Institute Qingbin Liu, vice president of Harbin Institute of Technology Jiecai Han. Meanwhile, “2013 Exhibition of Functional Materials Scientific Instruments, Equipment and Achievement” was held simultaneously with eighth NCFMA.

The conference focused on the following topics: (1) Metallic Materials; (2) Ceramic and Inorganic Functional materials; (3) Composite Materials, Aerospace Materials, Film Materials, Coating and Surface Technology; (4) Environmental Functional Materials and Energy Materials; (5) Mechanical, Thermal, Acoustical, Optical, Electric, Magnetic, Information and Optoelectronic Functional Materials; (6) Biological, Macromolecule and Organic Functional Materials; (7) Sensing and Smart Materials, Nanoscale Materials; (8) Metamaterials, Electromagnetic Functional Materials, Fundamentals of Materials science, Materials Characterization Analysis and Simulation, The Devices and Applications of Functional Materials.

The success of the eighth NCFMA plays a positive and significant role in promoting the academic, technical exchange and industrial development in functional materials field.

China Instrument and Control Society Instrument Functional Materials
Branch
China National Conference on Functional Materials and Applications
Organizing committee
2013.8

Committees

Sponsored by

China Instrument and Control Society Instrument Functional Materials Branch

National Instrument Functional Materials Engineering Technology Research Center

Chongqing Materials Research Institute

Chongqing Functional Materials Periodical Press

Executed by

Harbin Institute of Technology

Conference Leadership

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Changxu Shi(Honorary chairman of China Institute of materials, Member of Chinese Academy of Engineering), Guangxian Xu(Professor of Beijing University, Member of Chinese Academy of Sciences)

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Chunhua Yan (Director of Rare Earth Materials Chemistry and Application State Key Laboratory in Peking University, Member of Chinese Academy of Sciences), Qingbin Liu(President of Chongqing Materials Research Institute, Director of National Instrument Functional Materials Engineering Technology Research Center, President of Chongqing Functional Materials Periodical Press), Jiecai Han(Vice President of Harbin Institute of Technology)

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