

Preface

Advances in Applied Sciences and Manufacturing aims to provide a platform for the scientists and researchers to communicate and demonstrate new technologies, new theories, new methods, and new research fruits. The book follows rules of technology and academic integration, application and the basic principle combination, and realized prominent innovation in contents. The main characteristic is that this book mainly published research fruits in analysis and testing technologies using large instruments. The main service clients of this book is those researchers, teachers, engineers and detection experts working in the analysis and testing centers, open labs, and analysis and testing labs of enterprises belonging to research and education fields.

The papers in this book are selected from more than 400 papers submitted to 2013 International Forum on Materials Analysis and Testing Technology (IFMATT 2013) held in Dec, 9th, 2013 in Qingdao. The book is separated into 7 chapters, includes subjects such as material sciences, Biological engineering and chemistry, Manufacturing and industrial technology, Electronics and information technology, Environmental protection and resource development, Operations research and management science, etc.

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