

Preface

The 27th Regional Conference on Solid State Science and Technology 2013 (RCSST27) was jointly organized by the Faculty of Science and Natural Resources (formally known as School of Science and Technology), Universiti Malaysia Sabah in cooperation with the Malaysian Solid State Science and Technology Society (MASS). RCSST27 covered recent advancements and trends in the area of solid state science and technology to facilitate knowledge sharing and networking among researchers on emerging trends and new challenges in this field. RCSST27 also provided a platform for discussion of all aspects of physical and chemical properties, preparation and characterization techniques, optical properties; macro-, micro- and nano-structures, modelling, simulation and measurement methods as well as current developments in the field.

The conference was held on December 20 - 22, 2013 in Kota Kinabalu, Sabah. There were 264 abstracts received of which 227 were presented including 2 keynotes address during the 2 days conference. The major topics covered in this book are: Advanced Ceramics, Catalytic Materials, Composites and Polymers, Electrochemical, Manganite and Magnetic Materials, Nanomaterials and Nanotechnology, Materials and Technologies in Waste Utilization and Environmental Engineering, Technology of Glass, Materials and Technologies in Electronics and Optoelectronics, Superconductor Materials, Materials and Technologies in Production of Thin Films and Sensors and Techniques of Measurements in Materials Science and Production. One hundred twenty papers were selected and to be included in this book.

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The Malaysian Solid State Science and
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