

Preface

The present volume contains selected papers from the 1st Asia Pacific Rubber Conference 2013 which was held in Thailand (APRC-2013). The conference is organized and co-organized by Prince of Songkla University, Thailand, School of Materials & Mineral Resources Engineering, Universiti Sains Malaysia, Hevea Research Platform in Partnership (HPRR) and Innovation Group, Thailand. The 1st Asia Pacific Rubber Conference 2013 is sponsored by Prince of Songkla University, National Research Universities (NRU), Thailand, Innovation Group and HRPP and is held in the Surat Thani, Thailand, during 5-6 September 2013.

This volume presents a selection from papers submitted to the conference from universities, research institutes and industries. All of the papers were subjected to peer reviewing by at least two expert referees. The papers selected for this volume depended on their quality and their relevancy to the conference. The volume tends to present to the reader the recent advances in the field of rubber technology including rubber agronomy, socio-economics and biotechnology, rubber processing and products, rubber compounding and composites, rubber chemistry and chemical modification and industrial rubber applications. It is therefore valuable to production and research engineers, research students and academics in the field.

The Organizing Committee is grateful to all of the contributors who made this volume possible. As the guest editors of the volume, I wish to acknowledge all of those who have updated and reviewed the papers submitted to the conference. Thanks are also given to Dr. Suwalux Wisunthorn, Dr. Anoma Thitithammawong, Dr. Sakulrat Pichayut, at Prince of Songkla University for their assistance for editing work; and Trans Tech Publications for producing the volume.

*Charoen Nakason Ph.D, Associate Professor
Vice President of Prince of Songkla University, Surat Thani Campus
Chair of APRC-2013
E-mail: charoen.nakason@gmail.com*

Conference Organizer

Prince of Songkla University Website: <http://www.psu.ac.th/>

Co-organizing Institute

Hevea Research Platform in Partnership (HPRR)
Innovation Group, THAILAND

International co-organizing Institute:

School of Materials & Mineral Resources Engineering, Universiti Sains Malaysia, Penang, MALAYSIA

Chairman

Associate Professor Dr. Charoen Nakason (Polymer Rheology and Processing), Prince of Songkla University (Surat Thani), THAILAND

Co-Chairman

Professor Dr. Suda Kiatkamjornwong (Polymer Science), Chulalongkorn University (Bangkok), THAILAND

International Advisory Board

Professor Dr. Hanafi Ismail (Polymer Engineering), Universiti Sains Malaysia (Penang), MALAYSIA

Professor Dr. Norbert Vennemann (Polymer Testing, Rubber Technology and Thermoplastic Elastomers), University of Applied Sciences Osnabrück (Osnabrück), GERMANY

Professor Dr. Claudia Kummerlöwe (Polymer Chemistry and Analytics), University of Applied Sciences Osnabrück (Osnabrück), GERMANY

Professor Dr. Philippe Cassagnau (Rheology & Viscoelasticity, Reactive Blending (including TPV) and Reactive Extrusion), Université Claude Bernard (Lyon), FRANCE

Professor Dr. Eric Dubreucq (Rubber Biochemistry and Microbiology), SupAgro, FRANCE

Dr. Frédéric Bonfils (Rubber Processing and Rubber Technology), CIRAD, FRANCE