Knowledge • Sincerity • Excellent
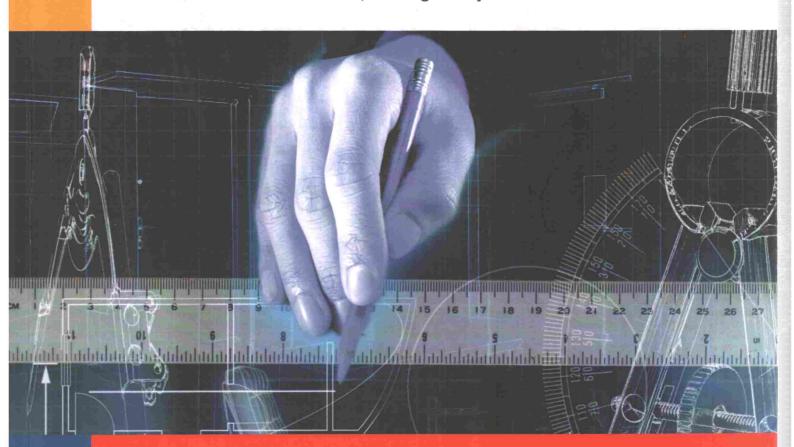
RCAEM-II 2012

Proceedings of 2nd Regional Conference on Applied and Engineering Mathematics 2012

30-31 May 2012

Eastern & Oriental Hotel, Penang Malaysia

SEDEKAD GEMILANG 2002-2012
Universiti Malaysia Perlis

"Mathematics Beyond Arithmetic : Constructing the Future, Challenging the Past"

Editors:

W. Z. A. Wan Muhamad
Wan Suhana Wan Daud

Ahmad Kadri Junoh
Muhammad Zaini Ahmad
Mohd Syafarudy Abu
Lim Eng Aik
Wan Mohd Khairy Adly Wan Zaimi

Nursalasawati Rusli
Elyana Sakib
Nor Ashikin Abu Bakar
Nurhidayah Omar
Syafawati Ab Saad

Rohana Abdul Hamid
Farah Adibah Adnan
Alezar Mat Ya'acob
Noor Adila Aluwi Shakir

DISCLAIMER
This proceedings was prepared as a collection of papers presented at 2nd Regional Conference on Applied and Engineering Mathematics organized by Institute of Engineering Mathematics (IMK), Universiti Malaysia Perlis. IMK do not hold any responsibility for the accuracy and completeness of the articles in the proceedings. Authors retain the copyright of their individual contributions. The results and interpretations expressed are those of the authors alone and do not necessarily state or reflect those of Institute of Engineering Mathemathics, UniMAP.

TABLE OF CONTENTS

PREFACE MESSAGE

LIST OF REVIEWER

COMPUTATIONAL MATHEMATICS

DIFFERENTIAL EQUATION

DISCRETE MATHEMATICS

ENGINEERING STATISTICS