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## Contact Details

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please contact:



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Please visit:

<http://www.utm.my/partners/utm-ciam/malaysia-mathematical-modelling-camp-2015-mmmc2015/>

# MMMC2015



# 2015 Malaysia Mathematical Modelling Camp (MMMC 2015)

Sultan Ibrahim Chancellery Building,  
Universiti Teknologi Malaysia, Johor Bahru

30 March - 2 April, 2015

### Organised by

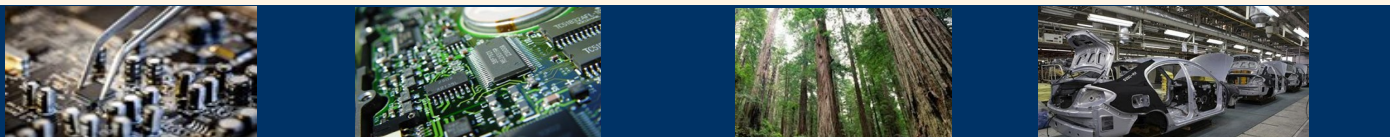
UTM Centre for Industrial and Applied  
Mathematics, UTM

### Co-organised

Oxford Centre for Industrial and Applied  
Mathematics, Oxford University

Department of Mathematical Sciences,  
Faculty of Science, UTM

Main sponsor:



## Background

Malaysia Mathematical Modelling Camp 2015 (MMMC 2015) is a 4-day workshop, a first of its kind in Malaysia, aims to bring together graduate students nationwide to work on industrial mathematics problems under the guidance of experienced mentors. This graduate-level modelling Camp is designed to promote a broad range of problem-solving skills, such as mathematical modelling & analysis, scientific computation & critical assessment of solutions. This Camp is inspired by Oxford Centre for Collaborative Applied Mathematics : (OCCAM)UK Graduate Modelling Camp.

The problems to be considered are not the neat, well-posed academic exercises typically found in coursework, but inspired by challenging real world problems from industries and applied sciences issues. The Camp begins with presentations of six problems from the mentors to the students on the first day of the workshop. The students will be divided into six groups to work on the problems of their preference. Each group will spend two to three days of the workshop investigating their problem and then report their findings in a half-hour presentation on the last day of the workshop. Each group is expected to submit a report after the Camp has ended.

The Camp is run back-to-back to the 3rd Mathematics in Industry Study Group Malaysia (MISG 2015), April 6 – 10 2015, providing problem-solving experience as a warm-up to the Study Group. All MMMC 2015 attendees are expected to attend the MISG 2015. Attendees will need to cover their own travel costs and accommodation. They are advised to approach their home institution for support if needed.

## Camp Highlights

- The first mathematical modelling camp in Asia Pacific
- Guidance from experienced mentors
- Promotes a variety of problem-solving skills, such as mathematical modelling, analysis, scientific computing, critical interpretation of the solution, as well as communication skills
- Prize awarded to the best presentation team
- Free entry to Mathematics in Industry Study Group 2015 (MISG2015)

## Camp Details

### Day 1 (30 March 2015)

Presentation of Problems by Mentors

### Day 2 (31 March 2015)

Group Work

### Day 3 (1 April 2015)

Group Work

### Day 4 (2 April 2015)

Group Presentation

**Prizes awarded to the best presentation team!**

## Mentors

### Prof. Robert McKibbin

Massey University  
New Zealand

### Prof. Dr. Edy Soewono

Institut Teknologi Bandung  
Indonesia

### Assoc. Prof. Troy Farrell

Queensland University of Technology  
Australia

### Assoc. Prof. Dr. Ali Hassan Mohamed Murid

UTM Centre for Industrial and Applied Mathematics

### Assoc. Prof. Dr. Fadhilah Yusof

UTM Department of Mathematical Sciences

### Dr. Robert Style

University of Oxford  
United Kingdom

## Registration

The deadline for completing the online registration form is **Saturday 28 February 2015**. Applications received after this date will not be considered.

**\*\*\*The registration fee is only RM 500/ person**  
**The fee will entitled you to join MISG 2015 free of charge**

