

# Technical Computing with *Mathematica*: Capabilities, Design and Applications



Speaker

For The First Time in Malaysia.  
Not To Be Missed !

**DR. PAUL ABBOTT**

The renowned speaker for Mathematica is finally heading his way to Malaysia for a week-long public seminar & technical workshop this April. Abbott will give a special presentation to demonstrate state-of-the-art *Mathematica* technologies, applicable for both the academic and industrial communities. Abbott is a computational physicist in the School of Physics at the University of Western Australia. Abbott obtained a PhD in theoretical atomic physics from UWA in 1986. He worked for Wolfram Research Inc. -- the makers of Mathematica -- from 1989-1992, and is presently a Consultant for Wolfram Research Inc. Abbott was the founding technical editor of The Mathematica Journal in 1990 and continues his involvement with the journal as a columnist.

Today he is widely known around the world for his work on applications of Computer Algebra System (CAS) such as *Mathematica*. If you use *Mathematica*, or other systems like *Matlab* and *Maple* or you are thinking about joining the community of several million enthusiastic users around the world, this event offers a unique opportunity for you to see and learned new innovations from him personally. His list of credentials goes on.

For more information on Dr. Paul Abbott, please visit his website  
<http://physics.uwa.edu.au/~paul/>



*Wish there is a more simple, quick and effective way to enhance the power of Mathematics into your teachings and research?*

## SEMINAR OVERVIEW

**Technical Computing with Mathematica: Capabilities, Design and Applications** by Dr. Paul Abbott  
Paul Abbott on "What is the position of Mathematica today?" Where is it going in the future?  
Highlights on Mathematica technologies and Wolfram Research. Find out what's unique about Mathematica technology and why it matters to you. How does it compare with other systems? Why is Mathematica predominant in frontier science and technology R&D?

**Mathematical Modelling With Mathematica** by Dr Yahya Abu Hasan  
Watch how Dr. Yahya demonstrates the use of Mathematica in modelling.

**webMathematica Applications in E-Learning** by Mohamad Faisal b. Abd. Karim  
Experience the innovative way in E-Learning applications with the state of the art web*Mathematica*

<b>Date:</b>	17 <sup>th</sup> April 2006 ( Monday )
<b>Time:</b>	0800 ~ 1300 SEMINAR Session (G31 Lecture Hall) 1345 ~ 1700 WORKSHOP Session (Makmal 1)
<b>Venue:</b>	Universiti Sains Malaysia, Penang Pusat Pengajian Sains Matematik

Please refer to backpage

## WHO SHOULD ATTEND

- **researchers, engineers and project managers** in the domain of scientific computing and related domains,
- **pedagogues** who teach mathematics and sciences at high school, college or university, as well as students who receive this teaching,
- **architects, designers, musicians and artists** for whom mathematics is a form of writing and to whom *Mathematica* opens, in a unified way, so various fields as programming, structural computing, urban planning, information representation or the use of sociologic data to be modeled,
- **authors** who wish to promote books or application software,
- **professionals** who want to learn efficiently *Mathematica* and its applications, through personalized training sessions,
- **all those** who want to take advantage of the cultural diversity of the conference, to grasp ideas and establish connections in an exceptional friendly atmosphere.

## PROGRAMME

### SEMINAR

- 0800 – 0900 Registration of participants for seminar session (at G31 Lecture Hall)  
0900 – 0915 Opening Speech by Dean of School of Mathematics, Prof. Madya Dr Izani Ismail  
0915 – 0930 Short Briefing  
0930 – 1115 “*Technical Computing with Mathematica: Capabilities, Design and Applications*” by Dr. Paul Abbott  
1115 – 1145 “*Mathematical Modelling With Mathematica*” by Dr Yahya Abu Hasan (USM)  
1145 – 1215 “*WebMathematica Applications in E-Learning*” by Mohamad Faisal b. Abd. Karim (USM)  
1215 – 1245 Open Forum  
1245 – 1345 Lunch Break

### WORKSHOP

- 1345 – 1400 Registration for participant for workshop session (at MAKMAL 1)  
1400 – 1600 “*Mathematica Fundamentals*” by Dr. Paul Abbott  
1600 END

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## REGISTRATION FORM

**ALL ARE INVITED. ADMISSION IS FREE. BECAUSE SEATS ARE LIMITED, BOOK EARLY NOW.**

Please *FAX* your registration form to **03-5621 2180**

Name:	
Position:	
Organisation:	
Department / Faculty:	
Postal Address:	
Postcode:	
City:	
State:	
Telephone:	
Mobile:	
Email:	

**\* Due to popular demand, registration for afternoon workshop will only commence after lunch on a first come first served basis.**

For further information and registration, please contact **Albert**

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