

## ACCOMMODATION

Participants may wish to book their own accommodation at the following recommended hotels which are close to the university campus.

**Mines Wellness Hotel**  
Phone : +603-8943 6688  
[mineswellnesshotel.com.my](http://mineswellnesshotel.com.my)

**Equatorial Bangi-Putrajaya Hotel**  
Phone: 603-8210 2222  
[www.equatorial.com](http://www.equatorial.com)

**Marriott Putrajaya Hotel**  
Phone: 603-8949 8888  
[www.marriottputrajaya.com](http://www.marriottputrajaya.com)

**Palm Garden Hotel**  
Phone: 603-8943 2233  
[www.palmgarden.com.my](http://www.palmgarden.com.my)

**Residence Hotel @ Uniten, Bangi**  
Phone: 603-8922 2088  
[www.residenceatuniten.com](http://www.residenceatuniten.com)

Below is the link to the website which compares other travel sites for the best rates and then also gives a rebate on these rates for students and teachers :

[http://www.hotelscombined.com/Education\\_Support](http://www.hotelscombined.com/Education_Support)

and also link to the Selangor page

<http://www.hotelscombined.com/City/Selangor.htm>

For further details please contact :

**EQuaLS4 Organizing Committee**  
**Institute for Mathematical Research**  
**Universiti Putra Malaysia**  
**43400 UPM SERDANG**  
**SELANGOR, MALAYSIA**

**Phone : +603 8946 8459/6878**

**Fax : +603 8942 3789**

**E-mail : [hisham@putra.upm.edu.my](mailto:hisham@putra.upm.edu.my)**  
**[noryusniza@gmail.com](mailto:noryusniza@gmail.com)**



## The Fourth Expository Quantum Lecture Series (EQuaLS4)

**“Cosmology, Gravitation and  
High Energy Physics 2010”**

28 June—1 July 2010

Al-Khawarizmi Seminar Room,  
Mathematics Building,  
Faculty of Science,  
Universiti Putra Malaysia

Jointly Organized by:

Laboratory of Computational Sciences  
and Informatics,  
Institute for Mathematical Research,  
Universiti Putra Malaysia  
&  
Department of Physics,  
Faculty of Science,  
Universiti Putra Malaysia





## INTRODUCTION

Expository Quantum Lecture Series (EQualS) is a series of lectures conducted by members of Laboratory of Computational Sciences & Informatics, Institute for Mathematical Research and Physics Department, Faculty of Science. The main objective of this lecture series is to rapidly introduce and update researchers and students with the latest developments and techniques in theoretical physics, quantum science and technology or related areas. The first series of EQualS began in 2007 with the theme "Geometry, Number Theory and Quantum Physics 2007" (see webpage of [EQualS1](#)). This is followed by "Foundations of Quantum Science & Technology 2008" (see webpage of [EQualS2](#)) in 2008 and the third one being "Quantum Information Science 2009" (see webpage of [EQualS3](#)). Besides quantum physics, the other pillar of modern physics is Einstein's theory of relativity, which in its general form describes gravity. Cosmology, describing the large scale features of the universe, derives its formalism mainly from general relativity. Describing early cosmology, however, will involve elements of high energy physics. In this lecture series with the theme "Cosmology, Gravitation and High Energy Physics 2010", we will hear expositions on frontier topics of cosmology interfacing with high energy physics from speakers of international repute.

## REGISTRATION FEES

**REGISTRATION FEES (inclusive of lecture materials, lunch and tea breaks)**

**Early Bird Registration (before 14<sup>th</sup> June 2010)**

### MALAYSIAN

Student : RM300

Non-Student : RM600

### OTHER COUNTRIES

Student : USD150

Non-Student : USD250

**Late Registration (after 14<sup>th</sup> June 2010)**

### MALAYSIAN

Student : RM400

Non-Student : RM700

### OTHER COUNTRIES

Student : USD200

Non-Student : USD300

Payment shall be made in cheque payable to BENDAHARI UPM or cash before or on the day of the event.

## WHO SHOULD ATTEND

All researchers and students interested in problems of related physical sciences, computer science and mathematics.

## INVITED SPEAKERS



**SIGBJORN HERVIK**  
"Cosmological Models for Our Universe"  
Universitetet Stavanger, NORWAY



**JIRO SODA**  
"Fine Structures of Inflationary Scenario"  
Kyoto University, JAPAN



**ANIRUDH PRADHAN**  
"Recent Developments in Gravity and Cosmology"  
Hindu Postgraduate College, INDIA



**RAJESH PARWANI**  
"Information Theory, Particle Physics and Cosmology"  
National University of Singapore, SINGAPORE



**TEO LEE PENG**  
"Finite Temperature Casimir Effect"  
University of Nottingham, MALAYSIA

"Limited places are open for contributed talks and posters for interested participants by writing to the secretariat"

## REGISTRATION FORM

TITLE: Prof./Dr./Mr./Ms/Others :.....  
Name :.....  
Institution :.....  
Mailing Address : .....  
.....  
Phone :.....  
Fax :.....  
(H/P) :.....  
Email :.....  
Date :.....  
Signature :.....

Please forward your registration form to:

**EQualS4 ORGANIZING COMMITTEE**  
**INSTITUTE FOR MATHEMATICAL RESEARCH**  
**UNIVERSITI PUTRA MALAYSIA**  
**43400 UPM SERDANG, SELANGOR,**  
**MALAYSIA**

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EMAIL : [hisham@putra.upm.edu.my](mailto:hisham@putra.upm.edu.my)  
[noryusniza@gmail.com](mailto:noryusniza@gmail.com)

**Online Registration:**

<http://einspem.upm.edu.my/equal4>