

## 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**

<http://www.mineswellnesshotel.com.my/>

**Hotel Bangi-Putrajaya**

**Phone: +603-8210 2222**

<http://www.hotelbangi-putrajaya.com/>

**Putrajaya Marriott Hotel**

**Phone: +603-8949 8888**

<http://www.marriott.com/hotels/travel/kulpg-putrajaya-marriott-hotel/>

**Palm Garden Hotel IOI Resort**

**Phone: +603-8943 2233**

<http://palmgarden.com.my/cms/>

**RHR Hotel@UNITEN**

**Phone: +603 - 8922 2088**

<http://www.rhrhotel.com/>

For further details please contact :

EQaLS 8 Secretariat,  
Institute for Mathematical Research  
Universiti Putra Malaysia  
43400 UPM SERDANG  
SELANGOR, MALAYSIA

Phone : +603 8946 6859/6878

Fax : +603 8946 6973

E-mail : [equals8.inspem@gmail.com](mailto:equals8.inspem@gmail.com)



**UPM**  
UNIVERSITI PUTRA MALAYSIA  
BERILMU BERAKTI



**POLITECNICO  
DI TORINO**

Dipartimento  
di Scienze Matematiche  
G.L. Lagrange

# EQaLS8

## Expository Quantum Lecture Series 8

### "Quantization, Noncommutativity and Nonlinearity"

## 18-22 January 2016

Al-Farabi Seminar Room  
Institute for Mathematical Research, UPM

<http://einspem.upm.edu.my/equals8>

**Organised by :**  
Laboratory of Computational Sciences and Mathematical Physics, INSPeM, UPM  
Department of Physics, Faculty of Science, UPM  
Department of Mathematical Sciences, Politecnico di Torino (DISMA, Polito)

**Supported by:**  
South - East Asian Theoretical Physics Association (SEATPA)

## INTRODUCTION

EQuaLS is the acronym for the “**Expository Quantum Lecture Series**”, a lecture series hosted by the Institute for Mathematical Research (INSPEM) at Universiti Putra Malaysia (UPM). A primary objective of the lecture series is to expose and update researchers and students, especially those from Malaysia, with the latest developments in quantum sciences, mathematical physics and other related areas. The theme of EQuaLS 8 is “**Quantization, Noncommutativity and Nonlinearity**”. These lecture series were grown out of a preexisting lecture series organized by a loose grouping of local theorists and colleagues from Malaysia and abroad. With EQuaLS, the lecture series has since become a successful, regular event at INSPEM, UPM. The first EQuaLS event was held on November 2007, and the subsequent events were held almost annually. The list of events organized were as follows:

- [EQuaLS1](#), 5-9 November 2007: Geometry, Number Theory & Quantum Physics 2007
- [EQuaLS2](#), 24-28 November 2008: Foundations of Quantum Science & Technology 2008
- [EQuaLS3](#), 9-13 November 2009: Quantum Information 2009
- [EQuaLS4](#), 28 June-1 July 2010: Cosmology, Gravitation & High Energy Physics 2010
- [EQuaLS5](#), 9-13 January 2012: Geometry, Topology & Physics 2012
- [EQuaLS6](#), 3-7 December 2012, double-billed as the workshop part of the 6th Asia Pacific Conference & Workshop on Quantum Information Science
- [EQuaLS7 \(Renamed EQuaLS2013\)](#), 22-24 November 2013: Complex Systems

Expository Quantum Lecture Series 8 (EQuaLS 8), which will be held on January 18-22, 2016, is jointly organized by Laboratory of Computational Sciences & Mathematical Physics, Institute for Mathematical Research, Universiti Putra Malaysia; Department of Physics, Faculty of Science, Universiti Putra Malaysia; and Department of Mathematical Sciences, Politecnico di Torino.

## INVITED SPEAKERS

**Martin Schlichenmaier**  
University Luxembourg, Luxembourg  
“*Berezin-Toeplitz Quantization*”

**Miroslav Englis**  
Mathematics Institute, Academy of Sciences, Czech Republic  
“*Deformation Quantization and Applications to Noncommutative Geometry*”


**Chengming Bai**  
Chern Institute, Tianjin, China  
“*Introduction to Pre-Lie Algebras*”


**Riccardo Adami**  
Polytechnical University of Turin, Italy  
“*The Transition from the Quantum to the Classical World as a Dynamical Effect: The Phenomenon of Decoherence from a Mathematical Point of View*”

## INVITED CONTRIBUTING SPEAKERS

**Syed Twareque Ali**  
Concordia University, Montreal, Canada  
“*Pseudo-bosons, Complex Hermite Polynomials and Integral Quantization*”

**Syed Hasibul Hassan Chowdhury**  
Chern Institute, Tianjin, China  
“*From Noncommutative Quantum Mechanics to Noncommutative Geometry*”

 **“Limited places are open for contributed talks for interested participants by writing to the secretariat”**

 **Deadline for submission of abstract is on 20 December 2015.**

## REGISTRATION FEES

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

<b>LOCAL PARTICIPANT</b>		<b>INTERNATIONAL PARTICIPANT</b>	
<b>Student</b>	<b>: RM500</b>	<b>Student</b>	<b>: USD200</b>
<b>Non-Student</b>	<b>: RM800</b>	<b>Non-Student</b>	<b>: USD250</b>

Participant may pay the workshop fees in one of the following ways:

### OPTION 1: Bank Draft/ Cheque

Payable to:

**“BENDAHARI UNIVERSITI PUTRA MALAYSIA”**

. Please mail the bank draft/cheque to:

**EQuaLS 8 Secretariat,**  
Institute for Mathematical Research,  
Universiti Putra Malaysia,  
43400 UPM Serdang,  
Selangor, MALAYSIA.

### OPTION 2: Electronic Funds Transfer (EFT)

Beneficiary Name :	BENDAHARI UNIVERSITI PUTRA MALAYSIA
Bank Name :	CIMB Bank
Bank Address :	CIMB UPM Branch, 43400 UPM Serdang, Selangor,
Account No. :	8002151963
SWIFT Code :	CIBBMYKL

- \* All charges/fees/commissions related to the payment must be borne by the participants.
- \* The abbreviation of the workshop: EQuaLS 8 and the participant’s full name must be clearly indicated on the bank draft or cheque for verification.