

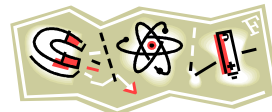
# Fun Teaching QUANTUM PHYSICS

**Date: 26 Nov 2010**

**Time: 9am to 12.30pm**

**Venue: SHRI (Tekka Mall)- tentative**

- ☞ Do you always find it difficult to explain Quantum Physics concepts to your students?
- ☞ Do your students find it difficult to grasp or understand Quantum Physics concepts?
- ☞ Do you want to gather some fun and interesting ideas to teach Quantum Physics?
- ☞ Do you want to know how you can use interesting hands-on activities to explain Quantum Physics concepts to your students?



If the above are your concerns, this workshop is designed for you. In this half-day workshop, Dr Janchai will share with you fun ways to bring out and explain Quantum Physics concepts to your students. This workshop comprises of many hands-on activities, group discussions and fun explorations and will cover the following:

- Fun activities with Spectroscope
- Using LEDs to measure Planck's constant  $h$
- Using a laser pointer to measure size of a small particle
- Charge particles moving in a magnetic field
- Generating and receiving of an electromagnetic field
- Free Electricity from the air
- Nuclear Radiation Detector



## About the Speaker

**DR. JANCHAI YINGPRAYOON** was the first Asian President of the International Council of Associations for Science Education (ICASE). He was also Head of Physics Department and Assistant to the Director of the Institute for the Promotion of Teaching Science and Technology (IPST), Bangkok; and the Chairman of Science Teachers' Section, Science Society of Thailand. He is a creative and humorous lecturer who makes learning science fun and meaningful. He is particularly interested in teaching science with toys and hands-on activities. Dr. Janchai is a very well known international speaker in science education. He has been invited to many international conferences as keynote speaker. He has conducted extremely innovative workshops in many countries around the world such as China, Malaysia, Singapore, Hong Kong, Indonesia, Germany, England, France, Hungary, Canada, Argentina, Italy, India, Spain and Sri Lanka, etc.

## About the Organiser

**Synergyst** is a training consultancy passionate in promoting *Professional Development of Teachers & Experiential Learning of Students* through Creative Teaching and Learning. Working with a pool of enlightened and world-renowned professionals, we provide a wide range of services, including workshops, enrichment programmes, exciting science and maths shows, educational trips to Thailand, China and Malaysia and designing of science and maths corners.

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|---|-----------------|--|-------------------|
| ✓ Yes! Please register me for <b>"Fun Teaching Quantum Physics", 26 Nov 2010, 9am to 12.30pm</b>  |                 |  |                   |
| <input type="checkbox"/> Normal rate of S\$100 nett/person  |                 | <input type="checkbox"/> Group rate of S\$85 nett/person for 3 or more |                   |
| <input type="checkbox"/> Past participant at \$80 nett*   |                 |  |                   |
| Institution _____   |                 | Tel _____  |                   |
| Address _____   |                 | Fax _____  |                   |
| S( _____ )  |                 |  |                   |
| <b><i>Pls indicate (P)-Normal participant or (PP)-Past participant next to name</i></b>   |                 |  |                   |
| Name _____  | Job Title _____ | HP _____   | Email _____       |
| Name _____  | Job Title _____ | HP _____   | Email _____       |
| Name _____  | Job Title _____ | HP _____   | Email _____       |
| Payment by <input type="checkbox"/> IFAAS   |                 | <input type="checkbox"/> Institution Cheque                            |                   |
|   |                 | <input type="checkbox"/> Personal Cheque. cheque no. _____             |                   |
| For registration, please fax, mail or email your particulars to and make your cheque payment payable to <b>Synergyst Pte Ltd</b> , 10 Tampines Road, Singapore 535065. Upon receipt of registration, any request for cancellation will be charged a 30% admin fee and must be made in writing, no later than 7 working days before the event. In the event of cancellation less than 7 working days or if participant fails to attend, the participant is liable for the full fee. Synergyst reserves the right to amend, postpone or cancel the event due to unforeseen circumstances. |                 |  | Institution Stamp |
| * Past participants refer to those who had attended Dr Janchai's Science Workshops only. (WEB)  |                 |  |                   |