

# THE PHYSICAL SOCIETY OF HONG KONG

## 香港物理學會

Executive Committee  
(2003–2005)

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3 December 2003

Dear Physics and Science Subjects Teachers,

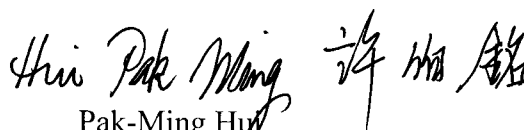
### An Invitation to become PSHK Members

I take the pleasure to invite you to join the Physical Society of Hong Kong (PSHK). In recent years, members of our Society have been actively involved in different aspects of secondary school physics education. The PRESS (Physics Research Experience for Sixth-form Students) project, for example, is now in its third year of operation and has provided a selected group of Form 6 students with training on doing research projects under the supervision of our members in physics departments in universities. Some teachers of the selected students are also involved in the PRESS projects. Members of our Society have also been active in promoting physics to secondary school teachers and students by preparing teaching materials, running Science Update programmes, and writing physics articles for high school students. PSHK members also participate in committees in revising physics curriculum at the HKCE and HKAL levels.

Accompanying this invitation letter please find a summary on recent highlights of PSHK activities and a membership application form. **Given the rapidly evolving situation in secondary school physics education due to reforms, it is of vital importance that physics teachers in high schools and in universities join force and work together for the benefits of our teenagers and for the future of physics education in Hong Kong.** PSHK has different membership categories. Depending on your qualifications and experience, you may join PSHK as a Full Member or an Associate Member. Full membership is open to teachers with a higher degree (e.g. MPhil or MSc) or with over ten years of teaching experience. PSHK will definitely benefit from your presence and I hope you will also find some of the PSHK activities useful.

Please send completed membership form together with a cheque of HK\$100 for 2003-04 membership fee to **P.M. Hui, Department of Physics, Chinese University of Hong Kong, Shatin, N.T.** I look forward to seeing you as PSHK member in our future activities.

Sincerely,



Pak-Ming Hui

[President of PSHK 2003-05]

# **Physical Society of Hong Kong (PSHK)**

## **Basic information & highlights of recent activities**

### **Background**

**The Physical Society of Hong Kong (PSHK)** was established in 1966 by a group of local physicists. As of now, PSHK has about 100 members, mostly from staff and students at the six universities in Hong Kong. PSHK's **membership** is open to any person or recognized organization who is engaged in the scientific, engineering, technological or education profession, a graduate or a student of a university in or associated with physical sciences, engineering, physics education or science education.

PSHK was established with the following **objectives**: (1) To advance and disseminate knowledge and appreciation of physical sciences, and to promote physics and science education; (2) to encourage and foster friendly collaboration with the members of other recognized institutions, societies and organizations both local and abroad; and (3) to sponsor social activities among members.

The following **membership categories** are available: Full Member, Associate Member, Student Member, Honorary Member, and Corporate Member.

The day-to-day management is carried out by the Executive Committee (ExCo), under the governing PSHK Council. An Annual General Meeting is held every year in June to elect the new ExCo Members and Council Members.

Please visit our website for more information: <http://www.pshk.org.hk/>. Several recent key activities are outlined below.

### **Winter Schools**

PSHK has, in the past few years, organized Winter Schools on selected topics in physics targeted at postgraduate students and other members. The aim of these Schools is to provide up-to-date information on topics in the frontiers of physics. Topics in the past two years comprise, e.g. Nano-Science and Technology, Photonic Crystals, Astronomy and Astrophysics. **The theme of the next Winter School to be held on 10 January 2004 on the HKBU campus will be Biophysics.**

### **Annual Conference**

In conjunction with the Annual General Meeting, PSHK hosts an Annual Conference in June every year. Annual Conference provides an excellent platform for members to interact and exchange ideas. The oral presentations comprise a few invited talks reflecting important recent progress made by local physicists and contributed talks by members. Large proportion of the participants are the postgraduate students, for whom presentations at the Conference provides a valuable opportunity to improve their presentation and communication skills. **The next Annual Conference will be held in June 2004 at HKUST.**

Besides the Annual Conference, PSHK has also co-organized conferences with the physics and physics-related departments in Hong Kong on various occasions. For example, PSHK co-organized the Third Joint Meeting of Chinese Physicists Worldwide held in Hong Kong in 2000.

In 2003-04, PSHK also plans to co-organize seminars by eminent scholars targeted at postgraduate students and undergraduates.

### **Out-Reach Programmes:**

#### **PRESS (Physics Research Experience for Sixth-form Students)**

PSHK initiated the PRESS programme. The programme aims at providing real hands-on research experience to a selected group of Form 6 students who show exceptional talent and interest in physics and science. The research projects are supervised by teaching staff from all six physics and physics-related departments in Hong Kong. PRESS, started with less than 50 students in 2001-02, has expanded to more than 70 students in 2002-03. It is now in its third year of operation and PSHK is co-organizing PRESS 2003-04 with the Gifted Education Section of the Education and Manpower Bureau (EMB) of the HKSAR Government.

### **Article Writing for Secondary Students**

Since 2002, we have been mobilizing members to join us in an effort of writing articles on physics and science that are geared for the Secondary 4-5 level. This is meant as an important step to provide support to students and teachers when a revised Secondary 4-5 physics syllabus becomes effective in September 2003. PSHK members have responded positively, with more than 30 articles prepared so far. These articles will be posted on an EMB website for teachers and students.

### **Popular Physics Talks**

Members of PSHK have also been active in promoting physics to a wider audience through popular talks given at such venues as the Hong Kong Science Museum and Hong Kong Space Museum.

### **Invitation to Membership**

*Finally*, on behalf of the Physical Society of Hong Kong, I would like to extend my invitation to all physicists, physics graduate and undergraduate students, physics teachers, and eligible scientists in Hong Kong **to become members of the PSHK**. The present members are encouraged to pay the membership fees to their Campus Coordinators (see below). Currently the dues are HK\$100 for Full Membership and HK\$40 for Student Membership. It is worth to note that PSHK and the American Physical Society (APS) have a **dual-membership agreement**. Members of PSHK, upon showing a valid PSHK membership card, may register at APS conferences at the APS membership rate. Filled-in membership application forms can also be sent to the President. [Prof. Pak-Ming Hui, Department of Physics, Chinese University of Hong Kong, Shatin, N.T. Enquires: 26096351.]

### **Executive Committee (2003-2005):**

President: Pak-Ming Hui (Chinese University of Hong Kong) [pmhui@phy.cuhk.edu.hk]

Vice-President: Philip I K Sou (Hong Kong University of Science and Technology) [phiksou@ust.hk]

Hon. Secretary: Czeslaw Rudowicz (City University of Hong Kong) [apceslaw@cityu.edu.hk]

Hon. Treasurer: Jian Wang (University of Hong Kong) [jianwang@hkusua.hku.hk]

ExCo Members: Kok-Wai Cheah (Hong Kong Baptist University) [kwcheah@hkbu.edu.hk]

V C Lo (Hong Kong Polytechnic University) [apavclo@inet.polyu.edu.hk]

Daniel H C Ong (Chinese University of Hong Kong) [hcong@phy.cuhk.edu.hk]

### **Campus Coordinators:**

CityU: C. Rudowicz [apceslaw@cityu.edu.hk]

CUHK: Daniel H C Ong [hcong@phy.cuhk.edu.hk]

HKBU: S K So [skso@hkbu.edu.hk]

HKPolyU: V C Lo [apavclo@inet.polyu.edu.hk]

HKU: C C Ling [ccling@hkucc.hku.hk]

HKUST: Ophelia C K Tsui [phtsui@ust.hk]

# PHYSICAL SOCIETY OF HONG KONG (PSHK)

## Membership Application / Update Form (2003-2004)

Please complete in CAPITAL letters and 'print' style. Tick boxes / underline / encircle as appropriate.

I would like to:  join PSHK for the first time OR  renew my membership in PSHK as:

(F) Full Member:  (S) Student Member:  (A) Associate Member:

(C) Corporate Member:  (H) Honorary Member:

Miss / Ms / Mr / Dr / A/Prof / Prof SURNAME: \_\_\_\_\_ FIRST/GIVEN NAME: \_\_\_\_\_

DEGREE/YEAR/UNIVERSITY/FIELD OF STUDY: \_\_\_\_\_

OCCUPATION/SCHOOL: \_\_\_\_\_ TEACHING SINCE: \_\_\_\_\_

ADDRESS1: \_\_\_\_\_

ADDRESS2: \_\_\_\_\_

PHONE(S): \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

Position: faculty member / graduate-undergraduate student / research staff / teaching assistant / high school teacher / other:

(please specify): \_\_\_\_\_

Physics areas of interests (select Codes given below OR specify): \_\_\_\_\_

### Codes:

1=Astrophysics and cosmology

2=Atomic, molecular and optical physics

3=Biological physics

4=Chemical physics

5=Computational physics

6=Condensed matter physics

7=Few-body systems and multiparticle dynamics

8=Fluid dynamics

9=Fundamental constants and precise tests of physical laws

10=High polymer physics

11=History of physics

12=Instrument and measurement science

13=Laser science

14=Materials physics/science

15=Nuclear physics

16=Particle beam physics

17=Particles and fields

18=Physics and society

19=Plasma physics

20=Atmospheric & ionospheric physics

21=Theoretical physics

22=Physics education

23=Cosmic rays

24=Environmental physics

25=Complex fluid

26=Surface physics

27=Quantum physics

30=Other subject areas

Any suggestions to PSHK and other comments (please use the back side if necessary):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Membership in other physics-related Societies: (e.g. Chinese PS, IOP, APS, Australian IP)

\_\_\_\_\_

I am enclosing herewith:  a cheque made payable to "PHYSICAL SOCIETY OF HONG KONG"

cash

of amount HK\$\_\_\_\_\_ for payment of:  full / associate membership dues (HK\$100) to PSHK.

student membership dues (HK\$40) to PSHK.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_