

WORKSHOP ON NANOSCIENCE AND NANOTECHNOLOGY: SOME POSSIBILITIES FOR RESEARCH IN SRI LANKA

Organized by the
POSTGRADUATE INSTITUTE OF SCIENCE (PGIS), UNIVERSITY OF PERADENIYA

and sponsored by the
SRI LANKA TELECOM MANPOWER SOLUTIONS (Pvt.) Ltd.

(Wednesday, 23rd December 2009)

PROGRAMME

- 8.30 - 9.00 a.m. Registration
9.00 - 9.30 a.m. Inaugural Session
9.30 - 10.00 a.m. TEA

TECHNICAL SESSION I

CHAIRMAN: Prof. K. Premaratne (*Chairman / Board of Study in Physics, PGIS*)

- 10.00 - 10.45 a.m. **Nano ceramic fillers for enhancing performance of Lithium batteries and solar cells**
Prof. M. A. K. L. Dissanayake, Department of Physics, University of Peradeniya
- 10.45 - 12.15 p.m. **TiO₂ Nanotube based dye sensitized solar cells**
Prof. R. M. G. Rajapakse, Department of Chemistry, University of Peradeniya
- 12.15 - 1.00 p.m. LUNCH

TECHNICAL SESSION II

CHAIRMAN: Prof. B. M. R. Bandara (*Chairman / Board of Study in Chemistry, PGIS*)

- 1.00 - 1.45 p.m. **Nanoporous Materials - The beauty of self assembly and the amazing functionality**
Prof. F. C. Peiris, Department of Physics, Kenyan College, Ohio, USA
- 1.45 - 2.30 p.m. **Heat Transport at the Nano Scale**
Dr. D. H. S. Maithripala, Dept. of Mechanical Engineering, Univ. of Peradeniya
- 2.30 - 3.00 p.m. TEA
- 3.00 - 3.45 p.m. **Coherent optical receiver design issues at the Nanoscale**
Dr. V. Herath, Department of Electrical Engineering, University of Peradeniya
- 3.45 - 4.15 p.m. Distribution of Certificates
Closing Session