Lääketieteellisen fysiikan ja tekniikan yhdistys (LFTY)
Finnish Society for Medical Physics and Medical Engineering

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1) LFTY:n 40-vuotis juhlapäivä 3.10.2008

Lääketieteellisen fysiikan ja tekniikan yhdistyksen 40-vuotis taivalta juhlitaan perjantaina 3.10.2008 Helsingissä. Juhlapäivä koostuu iltapäiväseminaarista sekä juhlaillallisesta. Iltapäiväseminaari pidetään Tieteiden talolla. Seminaariohjelma koostuu yhdistyksen alalla ansioituneiden henkilöiden sekä yritysten puheenvuoroista. Puhujalistalla on muun muassa Omar Ishrak, President & CEO, Clinical Systems, GE Healthcare. Juhlaillallinen nautitaan Hilton Helsinki Kalastajatorpalla hyvän musiikin ja puheiden lomassa. Juhlaillallinen toteutetaan myymällä illalliskortteja tilaisuuteen osallistuville (illalliskortin hinta noin 90 €). Juhlapäivän tarkka ohjelma sekä illallismenu hintoineen ilmoitetaan myöhemmin.

Tilaisuuteen ovat lämpimästi tervetulleita kaikki yhdistyksen jäsenet, sekä yhdistyksen toiminnasta kiinnostuneet henkilöt.

Juhlapäivään ilmoittautumiset: secretary@lfty.fi / (017) 162369

2) Radiation Physics for Nuclear Medicine, 18-21.11.2008, Milan, Italy

A training course in Radiation Physics for Nuclear Medicine will be held 18-21.11.2008 in Milan, Italy.

Training course topics:
The spread of diagnostic techniques, as PET and SPECT, has contributed in the last years to the growth of the individual dose due to medical exposures. The MADEIRA project (Minimizing Activity and Dose with Enhanced Image quality by Radiopharmaceutical Administrations), co-funded by the European Commission within the Seventh Euratom Framework Programme, aims to reduce the exposure of the patient to radiation in nuclear medicine, through the improvement of the imaging process.

This training course on radiation physics for nuclear medicine is the first of a series of three courses organized in the frame of the training and dissemination activities of the MADEIRA project. The course will deal with fundamental aspects and current research trends in radiation physics, detector technology and medical imaging from the point of view of nuclear medicine applications. Specific topics of the course will include:

- Interaction between radiation and matter
- Radiation transport with Monte Carlo analysis
- Production and quality control of radiopharmaceuticals
- Radiation detectors for nuclear medicine
- Reconstruction algorithms in medical imaging
- Biokinetic modelling and voxel phantoms for internal dosimetry

20 August 2008, Deadline for grant application
30 September 2008, Deadline for early registration
More information: http://www.madeira-training.org/

3) Laboratory Head/Co-ordinator and Research Engineer, Lund University, Sweden

The Biomechanics and Biomaterials Laboratory (BBL) of the Department of Orthopaedics, Lund University, Sweden, is seeking a Research Engineer and Laboratory Head/Co-ordinator. The appointee will provide technical expertise/leadership and scientific assistance in the management, design and conduct of the Biomechanics and Biomaterials Laboratory's research programme in projects involving musculoskeletal disorders and their treatment. The Biomechanics and Biomaterials Laboratory is based in Lund University Hospital and has extensive collaborations with Mechanical Engineering, Chemistry and Polymer Technology in the Faculty of Technology (LTH) and with the Biomedical Research Centre (BMC) of Lund University. It is part of the Centre for Biomechanics at Lund University (CBML) and brings together all these expertises to investigate musculoskeletal problems of clinical relevance. The appointee will be responsible for initiating projects, providing engineering input into clinical problems and the supervision of biomechanics project students from LTH and the medical school, all in close collaboration with orthopaedic surgeons. In the BBL there are mechanical testing facilities and materials production equipment with FEA analysis facilities available. In immediate proximity to BBL are the Lund RSA Centre and a gait analysis laboratory. The position would suit someone with at least a few years post-doctoral (or equivalent) experience looking to develop their own research projects and their career.

Applications in the form of CV and letter of application should be submitted to:
Gun-Britt.Nyberg@med.lu.se

Closing date: 1 September 2008

For further information contact Dr Magnus Tägil MD PhD (Magnus.Tagil@med.lu.se), Dr Gunnar Flivik MD PhD (Gunnar.Flivik@med.lu.se), Dr Ingrid Svensson PhD (ingrid.svensson@solid.lth.se) or Professor Liz Tanner DPhil (e.tanner@eng.gla.ac.uk

4) Ph.D. student position, Katholieke Universiteit Leuven, Belgium

The division of Biomechanics and Engineering Design, Katholieke Universiteit Leuven (Belgium) has a vacant Ph.D. student position (4 years) in the area of biomechanics of sleep.

Description: Humans spend about one third of their lives sleeping. Scientists, however, have only recently started to study the interaction of relevant environmental variables with sleeping behavior. This Ph.D. position fits within a project which is a collaboration between the division of Biomechanics and Engineering Design, M3-Biores (K.U.Leuven), the department of Cognitive and Biological Psychology of the VUB (Free University of Brussels) and the Sleep Disorders Center of the UZA (University Hospitals Antwerp). Within this PhD project, research will be done on biomechanics related factors such as spine support and pressure distribution and their interaction with sleeping human subjects. By means of precise antropometric modeling as well as polysomnographic validation, a profound scientific knowledge base is to be set up regarding the impact of bedding systems on the improvement of sleep quality in general. Interested candidates should have a MSc in biomedical engineering or in a subject related to ergonomics.

Applications (including detailed CV and motivation letter) should be sent to Prof. Jos Vander Sloten Head, Division of Biomechanics and Engineering Design Katholieke Universiteit Leuven Celestijnenlaan 300C, 3001 Leuven

Email jos.vandersloten@mech.kuleuven.be

5) Julkaisu-, kansainvälisen toiminnan ja konferenssiavustusten haku

Julkaisu-, kansainvälisen toiminnan ja konferenssiavustusten haku **Tieteelliseen julkaisutoimintaan ja kansainväliseen toimintaan** (kansainvälisten järjestöjen jäsenmaksut ja niiden suomalaisten luottamushenkilöiden matkat) vuonna 2009 osoitetut avustukset ovat haettavana 1.–30.9.2008.

Vuonna 2009–2011 järjestettäviä **kansainvälisiä konferensseja ja kotimaisia seminaareja** varten avustukset ovat haettavissa 3–31.10.2008. Huom! Vuoden 2008 hausta poiketen konferenssiavustuksia voi nyt hakea **kolmena eri vuonna järjestettäviin konferensseihin.**

Molempien avustusten hakulomake ja hakuohjeet julkaistaan Tieteellisten seurain valtuuskunnan verkkosivuilla www.tsv.fi hakuajan alkaessa. Hakemukset otetaan vastaan vain sähköisessä muodossa.

Lisätietoja: toiminnanjohtaja Aura Korppi-Tommola, puh. (09) 228 69 222, sähköposti aura.korppi-tommola@tsv.fi ja kansainvälisten asian päällikkö Irina Kauhanen, puh. (09) 228 69 226, sähköposti irina.kauhanen@tsv.fi.