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1) LFT-päivää vietettiin 10.2.2010 Tampereella

Lääketieteellisen fysiikan ja tekniikan yhdistyksen järjestämä yhdeksättä LFT-päivää vietettiin Tampereen teknillisen yliopiston Tietotalo-rakennuksessa 10.2.2010. Tapahtuma keräsi paikalle 88 opiskelijaa ja tutkijaa. Päivän yhteydessä pidettyyn perinteiseen posterikilpailuun osallistui 14 opiskelijaa. Paikalla oli myös edustettuna 5 LFTY:n alalla toimivaa yritystä.

LFT-päivän aikana kuultiin useita mielenkiintoisia esityksiä, joissa esiteltiin Tampereen teknillisen yliopiston lääketieteellisen tekniikan ja fysiikan tutkimusta sekä Jyväskylän yliopiston, Tampereen teknillisen yliopiston ja Tampereen yliopiston muodostaman yliopistoallianssin kärkihankkeita. Iltapäivän aikana nähtiin myös kaksi yritysesittelyä (Harri Pättikangas, GE Healthcare sekä Heidi Hakala, Mylab Oy).

Posterinäyttelyyn osallistui tänä vuonna 14 vuonna 2009 lopputyönsä suorittanutta opiskelijaa. Tänä vuonna kahden opiskelijan lopputyöt erottuivat muista. Nämä kaksi työtä olivat:

1. **Aliina Tuomenlehti, Tampereen teknillinen yliopisto**
EEG interface for portable ECG recorders
2. **Panu Vesanen, Aalto-yliopiston teknillinen korkeakoulu**
Compressed Sensing in Parallel Magnetic Resonance Imaging

Molemmat saivat LFTY:n stipendin arvoltaan 700 euroa. Lisäksi tuomaristo palkitsi kolme muuta lopputyötä 203 euron stipendillä. Nämä työt olivat:

3. **Tuomas Koivumäki, Tampereen teknillinen yliopisto**
Theoretical background for respiratory and cardiac gating in SPECT/CT using electrical bioimpedance method
4. **Markus Malo, Tampereen teknillinen yliopisto**
Numerical analysis of uncertainties in dual frequency ultrasound technique
5. **Tuomas Viren, Itä-Suomen yliopisto**
Nivelensisäinen ultraäänitekniikka nivelrikon diagnostiikkaan

Kiitokset vielä kerran LFT-päivän tukijoille!

[Tampereen teknillinen yliopisto](#)

[GE Healthcare Finland](#)

[Innokas Medical Oy](#)

[Mylab Oy](#)

[Planmeca Oy](#)

[Planmed Oy](#)





2) EMBC'10 Paper Submission Open (deadline 1.4.2010)

32nd International Annual Conference of the IEEE Engineering in Medicine and Biology Society, 1-4 September 2010, Sheraton Center Buenos Aires, Argentina

On behalf of the Conference Committee, we would like to welcome you to the 32nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'10) to be held in Buenos Aires, Argentina, from August 31 to September 4, 2010 at the Sheraton Buenos Aires Hotel & Convention Center.



For the first time, an IEEE EMBS Annual International Conference -the flagship of EMBS annual events- will be held in the southern hemisphere, representing a unique occasion for Argentineans to host colleagues from around the world.

A key role in the organization of the conference is exhibited not only by the EMBS Chapter of Argentina as the host and coordinator, but also by all other Latin American EMBS chapters and by the national societies of BME affiliated with the Latin American Regional Council on Biomedical Engineering, CORAL.

We cordially invite you to participate in this exciting conference as organizers, exhibitors and/or presenters. We encourage you to share your R&D work with others by submitting a paper (up to 4 formatted pages) by April 1, 2010. If you are interested in organizing a session, you can contact the chairs of the theme that is most appropriate for your session. In case your organization is interested in our commercial and technical exhibition, you can find more information on how to reserve an exhibit booth on this website.

We greatly appreciate your interest in the EMBC'10. We look forward to meeting you and welcoming you to Buenos Aires and EMBC 2010.

Instructions for Authors to create their papers can be found at the conference website: <http://embc2010.embs.org/author-instructions.html>

Please submit your four page manuscripts to the Conference Paper Management System: <http://embs.papercept.net/conferences/scripts/start.pl>

3) The 1st InterBrain Symposium June 12-17, 2010, Jyväskylä

Independent Component Analysis and Signal Separation is one of the most exciting current research areas in neural signal processing. We would like to welcome you to the **ICA Conference, The 1st InterBrain Symposium, and the 10th EEGLAB workshop**. These consecutive events will take place in Jyväskylä, Finland, a university town surrounded by lakes.

The 2-day International ICA conference will focus on theory of independent components analysis and its applications in brain research, mainly in EEG/ ERP analysis. The conference program consists of plenary lectures by invited leading experts of the field, accepted high-quality oral sessions and posters dealing with ICA and other related analysis techniques. The abstracts will appear online and in a conference abstract book. The interactive poster-sessions will offer an opportunity for discussions with leading experts on various methodological issues and the applicability of ICA on your own data.

The conference is followed by the 10th EEGLAB workshop. The workshop will concentrate on ICA methodology applying EEGLAB toolbox developed at the Swartz Center for Computational Neuroscience (SCCN), the University of California San Diego. The workshop offers both theoretical



lectures and hands-on sessions tutored by the expert team at SCCN and associates. The workshop has a limited number of participants. A half-day excursion to Finnish nature resorts and several social events are also planned.

We cordially invite you to participate in this exciting conference and ICA/ EEGlab workshop. Workshop participants are strongly encouraged to participate in the ICA conference, too, as it offers theoretical basis for much of the material dealt with in the workshop.

More Information: <http://research.jyu.fi/interbrain/conf.htm>

4) Online access to all IOP journals

We are pleased to announce that from 2 March 2010 we will be providing online access to all of our journal content through IOPscience, our platform with superior functionality, exciting new features and a clean, user-friendly interface.

IOPscience will be available to all our journal subscribers from 2 March 2010, and shortly afterwards we will put redirects in place to transfer users from our current Electronics Journals service to the equivalent page in IOPscience. The transition will be seamless and subscribers will be able to access and browse all content in the usual way. We will also transfer all user accounts to IOPscience, as well as any 'Table of Contents' alerts that users may have set up.

Visit <http://iopscience.iop.org> to find out more about IOPscience or take an online tour. The online tour is available in 10 different languages, and provides an introduction to the features and functionality in IOPscience.

If you have any questions, email us at <mailto:custserv@iop.org>.

Kind regards
IOPscience team