



LFTY tiedote

8/2012 (julkaistu 9.10.2012)

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LFT-päivä Oulussa 7.2.2013

Lääketieteellisen fysiikan ja tekniikan yhdistys järjestää 12. lääketieteellisen fysiikan ja tekniikan päivän Oulussa 7.2.2013. Tapahtumassa järjestetään yhdistyksen alaan kuuluvien vuonna 2012 tehtyjen diplomitoiden ja pro gradujen posterinäyttely, jossa parhaat posterit palkitaan (2012 € stipendi). Lisäksi ohjelmassa on Oulun yliopiston lääketieteellisen fysiikan ja tekniikan osaamisalueiden esityksiä sekä yritysesityksiä. LFT-päivän jälkeisenä päivänä 8.2.2013 järjestetään iBioMEP tohtorihjelman vuosiseminaari. Lisätietoja LFT-päivästä myöhemmin, mutta varatkaa jo kalenteristanne seuraavat tärkeät päivämäärät:

17.1.2013 LFT-päivän posterinäyttelyyn ilmoittautuminen

27.1.2013 LFT-päivään ilmoittautuminen

7.2.2013 LFT-päivä

8.2.2013 iBioMEP tutkijaseminaari

Postdoctoral Research Fellowship in Healthcare Information Infrastructure

A three years position as Postdoctoral Research Fellowship fellowship is available at the Department of Informatics.

The announced position is part of the NFR-funded research project Responsive Architectures for Innovation in Collaborative Healthcare Services (REACH). REACH is a research project investigating challenges and opportunities of novel web-based and mobile technologies in the Norwegian healthcare context. These technologies are expected to offer huge opportunities for reconfiguring healthcare towards more patient-centric models for service provision. However they also pose several challenges to the existing digital health information infrastructures.

The REACH project description is available here: <http://www.mn.uio.no/ifi/reach/projectdescription.pdf>

Job Description

We are seeking a highly motivated and competent candidate for postdoctoral research who has a relevant background in information system research and is interested in conducting research within healthcare. The candidate should have experience with qualitative research methods, and be interested in conducting relevant empirical case studies. The candidate is expected to engage with the ongoing research in the REACH project, to collectively contribute toward the project's goals, as well as advancing the academic knowledge on information infrastructures.

The position will be open from January 1st 2012.

Requirements

The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

The candidate must hold a PhD or other corresponding education equivalent to a Norwegian doctoral degree in a subject area relevant for the planned research.

The selected candidate is expected to actively participate in the academic community of the REACH project and in the Global Infrastructure (GI) research group. The GI group conducts research on the complexities of Information Infrastructures, their governance and development. More information about the group research agenda and empirical focus can be found here: <http://www.mn.uio.no/ifi/forskning/grupper/gi/index.html>.

The appointed Fellow is expected to contribute to the theoretical and methodological development of the GI group's research domain.

The main purpose of post-doctoral research fellowships is to qualify researchers for work in higher academic positions within their disciplines.

Please also refer to the regulations pertaining to the conditions of employment for post-doctoral fellowship positions:

<http://www.uio.no/admhb/reglhb/personal/tilsettingvitenskapelig/regulationstermcondition.xml>

A good command of English is required:

<http://www.mn.uio.no/english/research/doctoral-degree-and-career/regulations/proficiency-requirements.html>

Salary

Postdoctoral Research Fellow (Position code 1352), pay grade: 57 – 65 (NOK 468 400 – 542 900 per year, depending on qualifications and seniority)

Application deadline: 14 October 2012

Read more:

<http://uio.easycruit.com/vacancy/830371/64290?iso=no>



BECSin tutkijoille kolme palkintoa Biomag 2012 -konferenssissa

BECSin tutkijat saivat kolme palkintoa "18th International Conference on Biomagnetism" -kokouksessa Pariisissa. TkT [Matti Stenroos](#) sai nuoren tutkijan palkinnon (Young Investigator Award) menetelmien ja mallinnuksen kategoriassa. Lisäksi TkT [Jaakko Nieminen](#) ja DI [Koos Zevenhoven](#) saivat kumpikin jatko-opiskelijapalkinnon (Best PhD Poster Award) laitteistokehityksen kategoriassa.

Matti Stenroos kehittää menetelmiä ihmiskehon sähköisen toiminnan tutkimiseen ja soveltaa niitä mm. aivojen sähkömagneettiseen lähdepaikkannukseen ja sydänlihaksen hapenpuutteen havaitsemiseen. Nieminen ja Zevenhoven ovat työskennelleet BECS:n koordinoimassa MEGMRI-projektissa, jossa on kehitetty uudenlaista aivokuvauslaitetta aivojen rakenteen ja toiminnan kuvantamiseen ([YouTube](#)). Kilpailutyössään Nieminen kehitti uuden menetelmän virrantiheyden mittaamiseen matalakenttäisellä magneettikuvauksella ja Zevenhoven puolestaan uuden menetelmän magneettikuvauksen aikana syntyvien haitallisten pyörrevirtojen minimoimiseksi. Tutkimustyönsä lisäksi palkitut tutkijat opettavat tutkimuksensa perustana olevaa teoriaa ja menetelmiä Teknillisen fysiikan ja matematiikan koulutusohjelmassa sekä kandidaatti-, maisteri- että tohtoritasoilla.

Engage with DISCIPULUS: The Digital Patient Roadmap

(EAMBES news by [Martina Contin](#) — Sep 05, 2012)

The DISCIPULUS project, an undertaking established by the European Commission in October 2011 to set up a roadmap for the "digital patient" will be organising an open consultation meeting on the 26th and 27th of November 2012 in Barcelona, in order to inform the 'Digital Patient' Roadmap. We need our community behind us!

The open consultation meeting will call on worldwide experts within and outside the VPH community to identify and propose recommendations for the Roadmap for the Digital Patient.

Views will be invited to discuss the outcomes of the First Consultation Meeting (March 2012) and to propose specific actions to update the draft Roadmap (http://www.digital-patient.net/files/DISCIPULUS_D6-2_Draft_Roadmap_final.pdf)

Any member of the community wishing to get involved in the production of the final roadmap can do so on our dedicated forum at

www.biomedtown.org/biomed_town/discipulus/reception/forum

We also invite technology and clinical experts to write their views on our wikispaces at

www.biomedtown.org/biomed_town/discipulus/reception/wiki

The registration for the 2nd consultation meeting will open on the 5th of September 2012 and registrations will be accepted (on a first-come, first-served basis) until reaching the maximum capacity of the rooms we've booked.

To register (from the 5th of September onwards), please go to Digital Patient website: www.digital-patient.net

More EAMBES news: <http://www.eambes.org/news>

Horizon 2020 budget at heart of EU debate

(EAMBES news by [Martina Contin](#) — Oct 08, 2012)

On 17 September 2012 the European Parliament's Industry, Research and Energy Committee (ITRE) met to discuss amendments to the Horizon 2020 dossier.

The main issue discussed during the debate was the budget for Horizon 2020 which is currently being negotiated between the Council of Ministers and the European Parliament. MEP Ioannis A. Tsoukalas (EPP, Greece) stated that it is rumoured that the Council wants to reduce the budget for Horizon 2020 from the proposed 80 billion suggested by the European Commission to 40 billion euro which was confirmed by Ms. Maria Da Graça Carvalho (EPP, Portugal). All MEPs agreed that a tough stance needed to be taken with the Council to ensure that the proposal for an 80 billion euro budget was maintained.

Ms. Carvalho also stressed that in this budgetary context there was a need to protect health research, particularly research into chronic diseases. MEP Vicky Ford (ECR, UK) also stated that Health research needed to be protected particularly research into degenerative conditions while MEP Françoise Grossetête (EPP, France) stressed that urgent research was needed into cellular and advanced research.

The debate in the Parliament now seems to have moved away from the content of the Horizon 2020 dossier and is more focused on technical and budgetary aspects. Horizon 2020 will likely be discussed again by the ITRE Committee on 08 October 2012.

More EAMBES news: <http://www.eambes.org/news>

JobsInAcademia – University, research and science jobs

JobsInAcademia is an academic job board and recruitment resource designed to introduce academics to universities and research institutions worldwide in order to facilitate the hiring process for both sides.

For both jobseeker and employer, registration and advertising jobs are free, so they will not cost you a penny.

Jobseekers can browse and search for job ads without registering; however, it is advisable to register to save time, as the site will remember various preferences for



you. It is also possible to upload CVs and receive personalised jobs by email free of charge.

If you are an employer and want to advertise jobs, please click on register in the 'Employers' section on the website; this is free as well. The standard job ad includes a logo and a video link. Additionally, the first 50 job ads will be upgraded to featured jobs and will appear at the top of the job seekers' search results as well as appearing on the home page of JobsInAcademia.

There is no limit to the number of job ads: you can post as many as you like, and we will not charge you a penny. All job ads run for 90 days and can be extended if necessary.

Everything is self-explanatory and quite easy; however, if you ever get stuck or experience problems we are always here to help. Please share this message with your colleagues or students who might be interested in making use of this new job board.

<http://www.jobsinacademia.eu>



Recent and upcoming PhD dissertations on medical physics and engineering

Tuomas Kenttä, 20.10.2012

University of Oulu

Dynamics of cardiac repolarization during exercise : Rate-dependence and prognostic significance

[Read more](#)

DI Niina Onnela, 17.10.2012

Tampere University of Technology

Towards Retinal Repair: Bioelectric Assessment of Retinal Pigment Epithelium in vitro and Electrode Materials for Retinal Implants

[Read more](#)

DI Mikko Viinikainen, 8.10.2012

Aalto University

Representation of emotional valence in human brain

[Read more](#)

DI Teemu Ahmaniemi, 6.10.2012

Aalto University

Dynamic Tactile Feedback in Human Computer Interaction

[Read more](#)

MSc Tapani Koivukangas, 21.9.2012

University of Oulu

Methods for determination of the accuracy of surgical guidance devices : A study in the region of neurosurgical interest

[Read more](#)