Ilmenau, Germany, 03/12/2018

Dear all,

we are happy to announce the opening of two new research positions to support the MNE-CPP project (www.mne-cpp.org). Both positions are full-time and set for three years. The positions are embedded in a collaborating research grant between the German Technische Universität Ilmenau (www.tu-ilmenau.de/bmti) and the Private University for Health Sciences, Medical Informatics and Technology (UMIT), Hall i. T., Austria (www.umit.at/iebe), funded by Deutsche Forschungsgesellschaft (DFG) and Austrian Science Fund (FWF). The overreaching goal of the project is to estimate functional brain connectivity in real-time and develop closed-looped-non-invasive brain stimulation setups. Project cooperation partners are the Martinos Center for Biomedical Imaging, Boston Children's Hospital, Jena University Hospital, University Salzburg. The work is to be integrated into the MNE-CPP project and its MNE Scan software application. The opening positions at a glance:

- Project duration: 3 years
- Start date: Within the next 6 months
- Primary sites of work: 1 x BMTI (Ilmenau, Germany) and 1 x UMIT (Hall in Tirol, Austria)
- Project PIs: Prof. Dr.-Ing. Jens Haueisen and Prof. Dr.-Ing. Daniel Baumgarten
- 40h/week (full-time)
- Enrollment into Ph.D. program possible

Applicants must fulfill the following requirements:

- Master or Ph.D. degree
- Fluent in English
    o Fluent in German is a plus
- Advanced experience in C-Plus-Plus programming and general software development
    o Experience with the Qt and Eigen toolboxes is a plus
- Interest and/or background in computational neuroscience
    o Non-invasive brain stimulation and/or functional connectivity estimation
- Advanced understanding of and experience in signal processing (ideally with MEG/EEG)

The Technische Universität Ilmenau is a sponsor of the E-Quality standard. Both universities especially encourage women to apply. Applicants with disabilities are, in case of equal fit, skills and experience, favored during the application process.

We are looking forward to hearing from you. Please send your application (including CV, degree certifications and possible references) to either:

Technische Universität Ilmenau
Dezernat für Personal und Recht
Postfach 10 05 65
98684 Ilmenau, Thuringia, Germany
or via mail: bewerbung@tu-ilmenau.de

UMIT – University for Health Sciences, Medical Informatics and Technology
Univ.-Prof. Dr.-Ing. Daniel Baumgarten
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6060 Hall in Tirol, Tirol, Austria
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