1st International Workshop on Functional Mapping with ECoG

This workshop highlights practical aspects of passive functional mapping using electro-corticographic (ECoG) signals. Functional mapping of eloquent cortex is important prior to invasive brain surgery. Many studies over the past decade have shown that ECoG activity in the high gamma band is a reliable indicator of local task-related cortical activity, and could thus complement existing methods for functional mapping, such as electrical cortical stimulation (ECS) mapping or functional magnetic resonance imaging (fMRI). Topics of the workshops are the (i) acquisition of ECoG in clinical environments, (ii) suitable electrodes, connectors, amplification technologies, (iii) experimental paradigms, (iv) real-time feature extraction, (v) real-time mapping using SIGFRIED technology, (vi) topographic arrangement and (vii) validation with electrical current stimulation.

Attendance is free of charge, but registration is required because space is limited. For registration, please contact vogt@gtec.at

Speakers:

Past and present aspects of functional mapping
Gerwin Schalk, PhD, Wadsworth Center, Albany, NY, USA

Practical principles of functional mapping
Christoph Guger, PhD, g.tec medical engineering GmbH, Graz, Austria

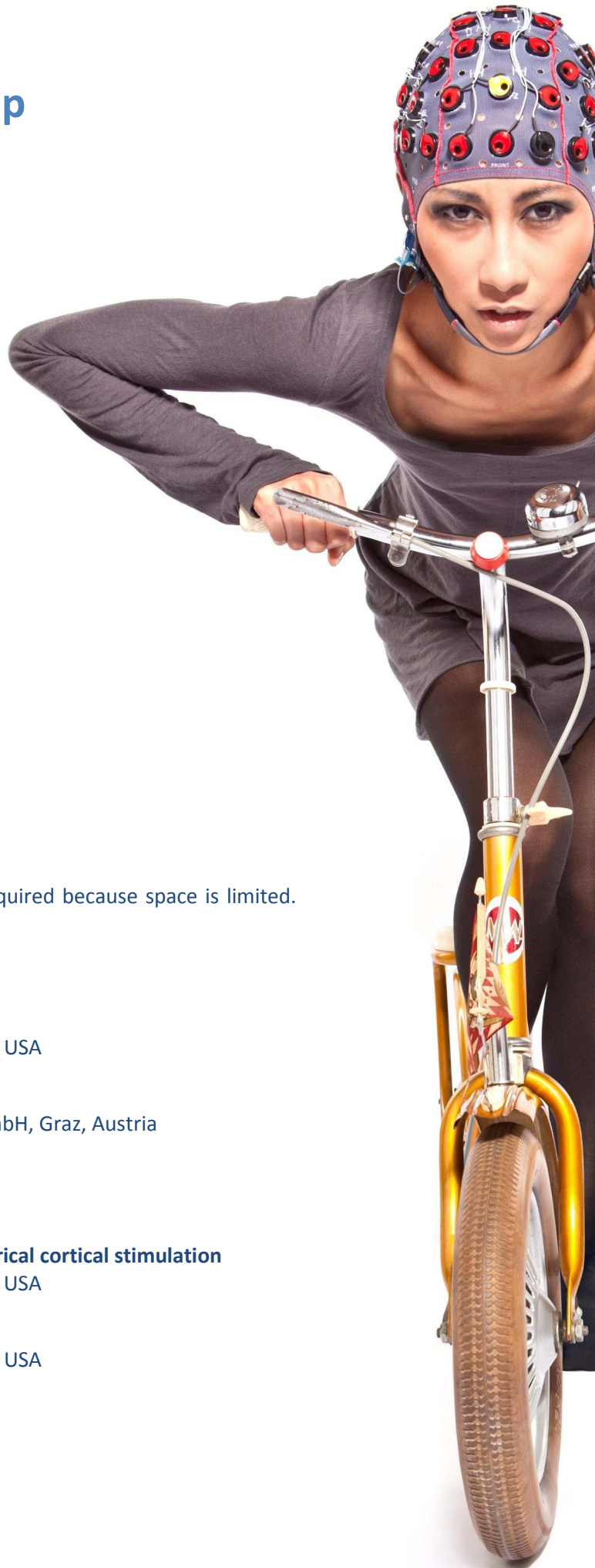**Clinical aspects of functional mapping**
Anthony Ritaccio, MD, Albany Medical College

Validation of functional mapping results with electrical cortical stimulation
Peter Brunner, PhD, Wadsworth Center, Albany, NY, USA

Future aspects of functional mapping
Gerwin Schalk, PhD, Wadsworth Center, Albany, NY, USA

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Registration Form:

Please fill in and fax back to:
+43 7251 22240 39
or send it to vogt@gtec.at

Location: Hyatt French Quarter, New Orleans, LA
Date, Time: 12th of October 2012, 5-7 pm

Name & Degree (as to appear on conference materials):

_____

Institution/Affiliation:

_____

Department:

_____

Business Address:

_____

City: _____ State: _____ Zip: _____

Business Phone: _____

E-mail Address (important for receiving the confirmation) _____