



## Invitation

# recoveriX & mindBEAGLE conference 2017

**recoveriX**  
MOTOR-RECOVERY NEUROTECHNOLOGY

**mindBEAGLE**  
CONSCIOUSNESS ASSESSMENT & COMMUNICATION

We are happy to invite you to the first recoveriX & mindBEAGLE conference in Graz, Austria! This conference will bring together different ideas, methods, experiences, results, and future visions from researchers, therapists and physicians in the fields of neurorehabilitation and Brain-Computer Interface (BCI). The rXmB 2017 conference will show state-of-the-art research and development of BCI neurotechnology for rehabilitation, assessment and training for patients with stroke or disorders of consciousness.

DATE	<b>Friday, September 22<sup>nd</sup>, 2017, 1:00 PM to 7:00 PM</b> <b>Saturday, September 23<sup>rd</sup>, 2017, 8:00 AM to 8:00 PM</b>
VENUE	<b>Hotel Weitzer   Grieskai 12-16, 8020 Graz   Austria</b>
ORGANIZERS	<b>g.tec medical engineering GmbH, Guger Technologies OG</b>
CONTACT	<b>Christoph Guger (<a href="mailto:guger@gtec.at">guger@gtec.at</a>)</b>

There is no registration fee, but this conference is for invited guests only.\* If you would like to attend, please send us your name, institution and a short CV to [office@gtec.at](mailto:office@gtec.at)

\*Limited participation because of space limitations.

Friday, September 22<sup>nd</sup>, 2017

- 1:00–1:15 PM **Welcome and introduction**  
Christoph Guger, PhD  
g.tec medical engineering GmbH, Guger Technologies OG, Austria
- 1:15–2:00 PM **The recoveriX system and validation work**  
Christoph Guger, PhD
- 2:15–3:00 PM **What is the best method to improve hand function in stroke patients?**  
Tetsuo Ota, MD, PhD, Asahikawa Medical University Japan
- 3:15–4:00 PM **BCI for stroke rehabilitation in Madison**  
Dr. Vivek Prabhakaran, MD, University of Wisconsin, USA
- 4:15–5:00 PM **recoveriX hardware and software, system demo**  
Rupert Ortner, DI, Woosang Cho, MSc  
g.tec medical engineering GmbH, Austria
- 5:15–6:00 PM **Conventional BCI systems and a new BCI system for stroke rehabilitation**  
Yasunari Hashimoto, PhD  
Department of Electrical and Electronic Engineering,  
Kitami Institute of Technology, Japan
- 6:15–7:00 PM **New research results in the field of BCI & FES rehabilitative devices aiming to treat the neurological patients**  
Prof. Marian Poboroniuc, Technical University of Iasi, Romania
- 7:00 PM **Dinner**

## Call for Posters

The program will also feature a poster session.  
Submit your poster to [office@gtec.at](mailto:office@gtec.at) by 1<sup>st</sup> of July, 2017  
and be part of the rXmB conference!

[www.gtec.at](http://www.gtec.at)

[www.recoveriX.at](http://www.recoveriX.at)

[www.mindBEAGLE.at](http://www.mindBEAGLE.at)



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Saturday, September 23<sup>rd</sup>, 2017

- 8:00–8:45 AM **Differences in motor imagery activity between the paretic and non-paretic hands in stroke patients using recoveriX**  
Jing Jin, PhD, East China University of Science and Technology, China
- 9:00–9:45 AM **Rehabilitation with recoveriX and fMRI evaluation for acute stroke patients: clinical impact and pitfalls**  
Kyouusuke Kamada, MD, PhD, Asahikawa Medical University Japan
- 10:00–10:45 AM **recoveriX flagship gym and franchise gym**  
Armin Schnürer, MSc, Stefan Schobersberger Dipl. PT  
g.tec medical engineering GmbH, Austria
- 11:00–11:45 AM **The mindBEAGLE system and validation work**  
Christoph Guger, PhD  
g.tec medical engineering GmbH, Guger Technologies OG, Austria
- 12:00–12:45 PM **mindBEAGLE in LIS and DOC patients: Implications for clinical practice**  
Rossella Spataro, MD, PhD, Centro SLA, University of Palermo
- 12:45–2:00 PM **Lunch**
- 2:00–2:45 PM **BCI after coma: Translating novel technologies from bench to bedside**  
Jitka Annen, MSc  
Coma Science Group, University Hospital of Liège, Belgium
- 3:00–3:45 PM **Consciousness emergence assessment and communication trials in sub-acute rehabilitation unit: mindBEAGLE**  
Frederic Pellas, PhD, Centre Hospitalier Universitaire de Nîmes
- 4:00–4:45 PM **Repeated BCI testing in diseases of consciousness**  
Tim von Oertzen, MD, Kepler Universitätsklinikum Linz, Austria
- 5:00–5:45 PM **Measuring the emergence of consciousness over time in comatose patients**  
Marzia De Lucia, PhD  
Centre Hospitalier Universitaire de Nîmes, France
- 6:00–6:45 PM **mindBEAGLE system demo and testing results**  
Ren Xu, PhD, Katrin Mayr, DI(FH), Guger Technologies OG, Austria
- 7:00–7:45 PM **DOC Assessment at Institut Guttmann**  
Eloy Opisso, PhD, Institut Guttmann, Barcelona
- 7:45–8:00 PM **Closing remarks**  
Christoph Guger, PhD