

# ESBS CERTIFICATION COURSE



## Transcranial Magnetic and Electrical Stimulation - From neuronal mechanisms to clinical practice

European Society for Brain Stimulation

**UMG**



Forum für Angewandte  
Neurotechnologie

3<sup>rd</sup> Edition  
October 28<sup>th</sup> - 30<sup>th</sup> 2026  
Göttingen, Germany

# ESBS Certification Course



We are delighted to invite you to the third accredited ESBS Certification Course **“Transcranial Magnetic and Electrical Stimulation - From neuronal mechanisms to clinical practice”**, a cornerstone of the training program of the European Society for Brain Stimulation. The course is aimed at introducing the theoretical background and practical applications of transcranial magnetic and electrical stimulation to researchers and clinicians. Every effort will be taken to cover the broad spectrum of areas involved in non-invasive brain stimulation from modeling to clinical trials and to highlight recent developments in the field. Lectures will be presented by world-renowned scientists and clinicians. We are looking forward to meeting you in Göttingen.

A. Antal & C. Baeken  
Prof. Dr. Andrea Antal,  
Vice-President of the ESBS  
Department of Neurology  
University Medical Center Göttingen  
Göttingen, Germany

Prof. Dr. Chris Baeken  
President of the ESBS  
Ghent University  
Ghent, Belgium

## REGISTRATION

You can find the registration form on our website: <https://www.brain-stimulation.eu/>

The registration fees are as follows:

### Non-ESBS Members:

- Private Sector Professionals: from €1,658
- Public/Non-profit Professionals: from €1,488
- Clinical Residents / Technical & Healthcare Staff: from €1,318
- Post-doc Researchers (Early-Career): from €1,063
- Students (Master's & PhD): from €638

### ESBS Members:

- Private Sector Professionals: from €1,409
- Public/Non-profit Professionals: from €1,264
- Clinical Residents / Technical & Healthcare Staff: from €1,120
- Post-doc Researchers (Early-Career): from €903
- Students (Master's & PhD): from €542

### Notes:

- ECRs who also work as clinicians or clinical consultants should register under the clinician rate
  - Participants from Low- and Middle-Income Countries are eligible for discounted fees
- Please check the correct fees applicable [here](#)

## VENUE

Lectures: Johann-Friedrich-Blumenbach  
Institute, Bürgerstrasse 50, 37073  
Göttingen

Hands-on sessions: Forum for Applied  
Neurotechnology, PD Dr. D. Czesnik,  
Bürgerstrasse 48, 37073 Göttingen

## TRAVEL INFORMATION

Göttingen is easily accessible by train  
or by car using the Autobahn A7. The  
closest airports are in Hannover and  
Frankfurt am Main.

**FOR ANY QUESTIONS REGARDING THE COURSE:**  
[esbs\\_certification@brain-stimulation.eu](mailto:esbs_certification@brain-stimulation.eu)

# Program

## WEDNESDAY 28<sup>th</sup>

## THURSDAY 29<sup>th</sup>

## FRIDAY 30<sup>th</sup>

|                |  |                |  |       |  |
|----------------|--|----------------|--|-------|--|
| 08:00          | Registration   | 08:00          | Registration   | 08:00 | Registration   |
| 08:30          | Welcome & Opening Remarks<br><i>A. Antal</i>                   | 08:30          | Safety and Ethics<br><i>TO. Bergmann</i>   | 08:30 | Regulatory perspective<br><i>TO. Bergmann</i>                          |
| 08:45          | TMS: Basics and physiological background<br><i>S. De Witte</i> | 8:50           | Clinical guidelines: levels of evidence<br><i>A. Antal</i>                                   | 08:55 | New developments in NIBS<br><i>F. Fröhlich</i>                         |
| 09:30          | TMS: Paired pulse, TBS, rTMS<br><i>L. Christiansen</i>         | 09:00          | NIBS in Neurology<br><i>D. Czesnik</i>   | 09:30 | Methods to optimise NIBS in clinic and research<br><i>P. Ramasawmy</i> |
| 10:15          | Coffee Break   | 10:15          | Coffee Break   | 10:15 | Coffee Break   |
| 10:45          | tDCS: Basics and physiological background<br><i>J. Bjekic</i>  | 10:45          | NIBS in Psychiatry<br><i>C. Baeken</i>   | 10:45 | Vulnerable populations<br><i>A. Ganho-Ávila</i>                        |
| 11:20          | tES: tACS, tRNS, otDCS, tES-EEG<br><i>L. Diedrich</i>          |                |  | 11:20 | Real life treatment cases and Integrated NIBS<br><i>D. Czesnik</i>     |
| 11:55          | Electric Field Modelling<br><i>S. Assecondi</i>                | 11:55          | NIBS outside clinics (home based use, neuroenhancement, sports, wellness)<br><i>A. Antal</i> | 12:15 | Tests, Closing remarks, certification                                  |
| 12:30          | Lunch  | 12:30          | Lunch  |       |  |
| 13:30<br>14:25 | Block 1: Hands-on  | 13:30<br>14:25 | Block 1: Hands-on  | 13:00 | End of the course  |
| 14:30<br>15:25 | Block 2: Hands-on  | 14:30<br>15:25 | Block 2: Hands-on  |       |  |
| 15:30          | Coffee Break   | 15:30          | Coffee Break   |       |  |
| 16:00<br>17:30 | Block 3: Hands-on  | 16:00<br>17:30 | Block 3: Hands-on  |       |  |
| 18:00          | Get together, Walking Dinner                                   |                |  |       |  |