

NTBS Winter School Program

27th – 30th of November 2018

	Day 1 - The Basics of TMS	Day 2 - The Basics of TES	Day 3 - Multimodal NTBS	Day 4 - Applications and future perspectives
8:45-9.30 Lecture	Physics and Biophysics of TMS	Physics and Biophysics of TES	Multimodal NTBS overview	NTBS: Therapeutic perspectives in Neurology
9.30 -10.15 Lecture	Neurophysiological principals of TMS	Neurophysiological principals of TES	Principals of NTBS-fMRI	NTBS: Therapeutic perspectives in Psychiatry
10.15-10:30	Coffee break			
10:30-11.15 Lecture	Modulating neural activity 'online' with TMS	Modulating neural activity 'online' with TES	Principals of NTBS-EEG	Best lab practice and NTBS safety
11.15-12.00 Lecture	Modulating neural activity 'offline' with TMS	Modulating neural activity 'offline' with TES	NTBS - closing the loop between brain and behavior	New Frontiers in NTBS
12.00-12:45	Lunch			
12:45-13:15	Wrap-up	Wrap-up	Wrap-up	Wrap-up
13.15 – 14.00 Practical I*	Basic MEP measures, TST, etc	Basic TES applications and practicals	Practicals of EEG-NTBS	
14.30-15.00	Coffee break			
15.00-16.15 Practical II*	Neuronavigation	TMS/TDCS field calculations	EEG-informed TMS (Closed-loop)	

Preliminary program (09/18), changes reserved

***Practical sessions:** done in two smaller groups / groups alternate between practical I and II during each afternoon, running in parallel

Lecture duration: 35 min talk + 10 min discussion at the end