

## Advances in Deep Brain Stimulation

Tuesday October 12, 13:30-18:00 (Online)

Registration: <https://www.aanmelder.nl/advancesindbs>



Event	Title
<b>Welcome</b> 10 min <b>13:30 – 13:40</b>	<ul style="list-style-type: none"><li>• <b>Introduction to NeuroTech-NL and DBS</b> (<b>Frans van der Helm</b>, TU Delft)</li></ul>
<b>Highlights from NeuroTech-NL</b> 15 min talks + 5 min discussions <b>13:40 - 15:00</b>	<ul style="list-style-type: none"><li>• <b>Advanced neuromodulation microsystems for DBS</b> (<b>Wouter Serdijn</b>, TU Delft)</li><li>• <b>Towards closed-loop stimulation in Parkinson's disease</b> (<b>Michael Tangermann</b>, Radboud University Nijmegen)</li><li>• <b>Modeling the effects of brain stimulation</b> (<b>Ciska Heida</b>, University of Twente)</li><li>• <b>Remote patient monitoring and intervention</b> (<b>Pieter Kubben</b>, Maastricht University Medical Center)</li></ul>
Break 10 min <b>15:00 - 15:10</b>	
<b>Topics of special interest: parallel sessions 1</b> 15 min talks + 15 min discussions <b>15:10 - 15:40</b>	<ul style="list-style-type: none"><li>• <b>Chronic LFP recordings: potential and pitfalls of a new commercial system</b> (presenter/chair: <b>Fiorella Contarino</b>, Leiden University Medical Center)</li><li>• <b>Medical device regulations</b> (presenter/chair: <b>Erik Gomer</b>, Maastricht University Medical Center)</li><li>• <b>Wireless power transfer to deep implants</b> (presenter/chair: <b>Wouter Serdijn</b>, TU Delft)</li><li>• <b>Subsides and funding for neurotechnology</b> (presenter/chair: <b>Jaga Schreiber</b>, TU Delft)</li></ul>
Break 5 min <b>15:40 - 15:45</b>	

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**Topics of special interest:**

***parallel sessions 2***

15-min talks + 15-min discussions

**15:45 - 16:15**

- **Novel methods of DBS using nanomaterials** (presenter/chair: **Ali Jahanshahi**, Maastricht University Medical Center)
- **Knowledge translation and valorization of neurotechnology** (presenter/chair: **Chretien Herben**, **Laura Gahler**, Health~Holland; **Sjaak Deckers**, Microsure)
- **Non-motor / psychiatric disorders** (presenter/chair: **Marc van Dijk**, Groningen University Medical Center)
- **Non-invasive stimulation techniques** (presenter/chair: **Rob Mestrom**, TU Eindhoven; **Lennart Verhagen**, Radboud University Nijmegen)

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**Break**

15 min

16:15-16:30

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**Keynote speaker**

45 min + 15 min Q&A

**16:30-17:30**

- **Abdelhamid Benazzouz**  
Directeur de Recherche Inserm  
Group leader: Neurochemistry, DBS & Parkinson, Université de Bordeaux, France

**“Deep brain stimulation: from bench to bedside, to bench”**

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**General Networking**

30 min

**17:30 - 18:00**

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