

## Curriculum Vitae

### Short bio:



I am an assistant professor in the Health, Medical and Neuropsychology unit of the Institute for Psychology at Leiden University. In May 2008 I obtained a PhD in Neuroscience (magna cum laude) at the International Max Planck Research School for Neural and Behavioral Sciences. I've conducted extensive and widely cited clinical work with brain-computer interfaces for patients with neuromuscular disorders (and locked-in patients) at the Institute for Medical Psychology and Behavioral Neurobiology of the University of Tübingen. I'm the winner of the Tursky Award (2006) for Excellence in pre-doctoral research and the BCI award (2005). In 2011 I was

awarded with an NWO-Veni grant to develop novel technology assessment tools to investigate technical, societal and economical aspects of research and development of neurotechnologies and to bring together stakeholders from various disciplines. Currently, I apply this approach to the test case of assistive technologies and brain-computer interfaces for people with disabilities. In 2015 I was awarded with the l'Oreal-UNESCO For Women in Science Award for a 5-month fellowship at the Netherlands Institute for Advanced Study (starting on Sept 2016).

My work on disability and the locked-in syndrome is a crossover of neuroscience, medical psychology and ethics, neuroengineering, human-computer interaction, science and technology studies, public outreach and innovation policy.

### General information:

Title and name: Dr. Rer. Nat. Femke Nijboer  
 Gender: female  
 Email address: [f.nijboer@fsw.leidenuniv.nl](mailto:f.nijboer@fsw.leidenuniv.nl)

Websites: [www.regieindesign.nl](http://www.regieindesign.nl)  
[www.forwomeninscience.nl](http://www.forwomeninscience.nl)

### Doctorate in Natural Sciences (*magna cum laude*)

University: International Max Planck Research School for Neural and Behavioral Sciences (IMPRS); University of Tübingen, Germany  
 Completion date: 08/05/2008  
 Supervisors: Prof. Dr. Niels Birbaumer, Prof. Dr. Andrea Kübler  
 Title of thesis: A comparison of different approaches to Brain-Computer Interfacing and the influence of mood and motivation on BCI performance

### Master in Science

University: University of Groningen  
 Graduation Date: 30/09/2002  
 Major: Experimental psychology  
 Minor: Neuro- and biopsychology

<b>Maternity leave</b>	8 months		
	November 2012	-	February 2013
	March 2014	-	June 2014
<b>Effective years since PhD:</b>	<b>7 years and 4 months</b>		

### Scientific career

Oct 2014 – now	<b>Assistant professor</b> at the Health, Medical and Neuropsychology department at the Institute for Psychology at Leiden University. 0,7 fte research; 0,3 fte teaching
2010-2013	<b>Coordinator</b> of dissemination and public outreach for the Dutch research consortium BrainGain. Work rated as <b>excellent</b> by reviewers in at the final evaluation. 0,2 fte
July 2010 – Sept 2014	<b>Postdoctoral researcher</b> at Human Media Interaction (HMI) at the University of Twente. 0,8 fte research
February 2009 – June 2010	<b>Senior researcher</b> at Fatronik – Tecnalia, Department of Neuroengineering and Biorobotics, San Sebastian, Spain
2007 – 2009	<b>Assistant professor</b> at the Institute of Medical Psychology and Behavioural Neurobiology, University of Tübingen, Germany
2007	<b>Postdoc</b> in the Department for Neurophysiology of the hospital of Ulm, Germany
2003-2007	<b>PhD candidate</b> at the International Max Planck Research School for Neural and Behavioral Sciences and <b>researcher</b> the Institute of Medical Psychology and Behavioural Neurobiology, University of Tübingen, Germany
2003 (March/April)	<b>Internship</b> in the Wadsworth Center in Albany, New York, USA
2002	<b>Master thesis</b> at the Department for Biological Psychiatry at the Academic Hospital of Groningen
2001	<b>Assistant researcher</b> at the department for biological psychiatry at the Academic Hospital of Groningen

### Stipends, Awards, Funding

2005	BCI Award – 3 <sup>rd</sup> International Brain-Computer Interface Conference at Rensselaer Ville in Albany, New York, USA
2006	Tursky Award for excellence in pre-doctoral research – Annual conference of the Society of Psychophysiological Research (SPR), Vancouver, Canada
2011	Veni grant from Netherlands Organisation for Scientific Research (NWO) (€250k)
2013	Brocher Foundation Research Fellowship (I respectfully had to decline due to maternity reasons)
2015	l'Oréal-UNESCO For Women in Science Award for a fellowship at the Netherlands Institute for Advanced Studies (€25k)
2015	Klein Geluk funding from Fonds Nuts Ohra to organize an Art Festival for people with locked-in syndrome (€14k)

## Teaching

### Leiden University (since 2014)

- Coordinator and lecturer in the course Bio- and Neuropsychology (BA Psychology, 1<sup>st</sup> yr, ± 500 students)
- Work group teacher in the course Bio- and Neuropsychology (BA Psychology, 1<sup>st</sup> yr)
- Lecturer in the course Intervention in Clinical Neuropsychology (MA Clin Neuropsychology)
- Work group teacher in the course Clinical Neuropsychology (BA Psychology, 3<sup>rd</sup> yr)
- Lecturer for the Honoursprogramme (BA Psychology, 3<sup>rd</sup> year)
- Lecturer for the Pre-University College Leiden (talented high school students)
- Supervision of master students (MA Clin Neuropsych)
- Bachelor projects (BA Psychology, 3<sup>rd</sup> yr)

### Universiteit van Amsterdam (since 2014)

- Het brein, Instituut voor Interdisciplinaire Studies, Universiteit van Amsterdam

### Hogeschool Saxion (since 2014)

- Ethics: Mind the gap, Brain and Technology, Applied Psychology

### University of Twente (2011)

- Introduction into Human-Computer Interaction (BA Computer Science, 1<sup>st</sup> yr)

### University of Tübingen, Germany (2006 – 2009)

- Medizinische Psychologie und Medizinische Soziologie (Medicine).

Languages     Can teach in Dutch, English and German.

## Committees / advisory boards:

2013-now	Independent ethics monitor for Utrecht Neural Prosthesis (UNP) project from Prof. N. Ramsey
2011-2014	Member of the Advisory Board of the CONTRAST project
2013	Member of International Steering committee of the 4 <sup>th</sup> International BCI conference
2010-2013	Member of the Valorisation board of BrainGain project
2010-2013	Coordinator of dissemination and public outreach of the BrainGain project
2011-2012	Member of the Ethics Committee of the Faculty of Electrical Engineering, Mathematics and Computer Science

## Editorial board:

- Brain-Computer Interfaces

## Reviewer for journals:

- Frontiers in Systems Neuroscience
- Journal of Information, Communication & Ethics in Society
- Neurorehabilitation and Neural Repair
- Journal of Neuroscience Methods
- Journal for Neural Engineering

- Computer
- Occupational Therapy International
- CHI
- Sensors

#### Reviewer for funding agencies:

- ERA-Net NEURON
- N.W.O Creative Industry

#### Organized workshops and symposia (as PI):

2016

- [Symposium and Workshop Regie in Design](#), Enschede, 12<sup>th</sup> of March 2016  
For patients, companies, health care professionals, neuroscientists
- [Workshop BreinDesign](#), Enschede, 13<sup>th</sup> of March, 2016  
For students
- [Workshop Does BCI mean business for AAC?](#) 6<sup>th</sup> International BCI conference, Asilomar, U.S.A., 2<sup>nd</sup> of June 2016  
For neuroengineers and neuroscientists
- [Art festival Locked-in? Locked-out](#), Lunteren, 11<sup>th</sup> of June 2016  
For the general public and patients with locked-in syndrome, neuromuscular disorders and high spinal cord injury

2014

- *De zin en onzin van Brain-Computer Interfaces*, private workshop for patients with locked-in syndrome, at the homes of people, the Netherlands, January/February 2014

2013

- *De zin en onzin van Brain-Computer Interfaces*, workshop for patients with progressive neuromuscular disorders, Vereniging Spierziekten Nederland (VSN), Baarn, the Netherlands, 19<sup>th</sup> of April 2013
- *De zin en onzin van Brain-Computer Interfaces*, workshop for patients with high spinal cord injuries, Dwarslaesie Organisatie Nederland, Utrecht, the Netherlands, 5<sup>th</sup> of May 2013

2012

- *Brain-Computer Interfaces as intelligent sensors for enhancing human-computer interaction*, workshop at the International Conference on Multimodal Interaction (ICMI), 22<sup>nd</sup> October 2012

2011

- *Scenarios and technology assessment*, at the future BNCI workshop, Utrecht, the Netherlands, 19<sup>th</sup> May 2011.
- *De zin en onzin van Brain-Computer Interfaces*, workshop for rehabilitation specialists, QuoVadis, Baarn, the Netherlands, 12<sup>th</sup> of May 2011

2010

- *Ethical Issues in BCI Research, Development, and Dissemination*, at the 4<sup>th</sup> International BCI Meeting, Asilomar, USA, 2<sup>nd</sup> June 2010.
- *Application Interfaces and Environments*, at the future BNCI conference, Graz, Austria, 13-16 September 2010.

### Co-organized conferences:

- *Annual BrainGain conference*, Nijmegen, the Netherlands, 20-22 March 2013. *Brain-Computer interfacing* in 2011. Utrecht, the Netherlands, 21-22 May 2011
- *Annual BrainGain conference*, Maastricht, the Netherlands, 18-20 December 2011
- *Researchers' Night of BrainGain*, Nijmegen, the Netherlands, 1<sup>st</sup> of September 2010

### Selected videos:

- VPRO Labyrint: De Magie van het brein (<http://youtu.be/yGGX7re01ZY>) en Napraatsessie (<http://youtu.be/ZT2hh73xtgg>)
- ANP. [Vrouwen in top wetenschap nog steeds schaars.](#)
- My Veni project explained in 3 minutes (<http://youtu.be/5YnuSq3F1Dw>)

### Media appearances

- 2015 ANP. [Vrouwen in top wetenschap nog steeds schaars.](#)
- 2015 Brabant Dagblad. *Topvrouwen slaan de gong.*
- 2015 AD Haagse Courant. *Delfste luidt beursgang van de AEX*
- 2015 Trouw. *Van Halem en Nijboer*
- 2015 Leidsch Dagblad. [Beurs voor topvrouwen](#)
- 2015 Volkskrant. [Volledig verlamd en toch gelukkig](#)
- 2012 VPRO Labyrint. [De magie van het brein](#)
- 2012 VPRO Labyrint. [Napraat sessie](#)
- 2011 Enschede FM. Interview naar aanleiding van de Veni toekenning.
- 2010 Tubantia. [Grijpen met je hersenen](#)
- 2007 Wie Handschuhe voll Sand – Leben mit der Krankheit ALS. Film by Reinhild Dettmer-Finke.

### Public outreach

- 2016 [Art festival locked-in? locked-out!](#) 11 juni 2016 Includes a neurocatwalk to demonstrate visions of future brain-computer interfaces.
- 2016 Workshop Regie in Design ([www.regieindesign.nl](http://www.regieindesign.nl)), Enschede, 12 maart 2016
- 2016 [Workshop BrainDesign](#), Enschede, 12 maart 2016
- 2015 Leiden Psychology Blog. [Locked in or locked out?](#)
- 2014 Ronduit Roessingh, tijdschrift van het Roessingh Revalidatie centrum. [Hersengolven als hulpmiddel voor ALS-patiënten?](#)
- 2015 Lotgenotendag Werkgroep LIS-MOVE. [Lezing over Brain-Computer Interfaces en levenskwaliteit in het locked-in syndroom.](#)
- 2014 Advalvas, weekblad van de Vrije Universiteit Amsterdam. [Hoe pas je hersenscancechnieken verantwoord toe?](#)
- 2013 Contact, tijdschrift van de Vereniging Spierziekten Nederland. [Sturen met de kracht van je gedachten.](#)
- 2013 De Ketting, tijdschrift van de Dwarslaesie Organisatie Nederland. [Oprichting werkgroep Hoge Dwarslaesie.](#)
- 2013 *Plug je computer in je brein Implicaties van neurotechnologie op de maatschappij.* Homo Digitalis symposium organized by Het Expertisecentrum Journalistiek and het Rathenau Instituut, April 2013, Hilversum, the Netherlands.
- 2013 *Locked-in? locked out!* Breinfest, March 2013, Nijmegen, the Netherlands

- 2012 Bessensap. *Ik speel, ik speel, wat jij (nog) niet ziet*. Bessensap. June 2012. Den Haag, the Netherlands.
- 2012 *De magie van het brein*. Annual meeting of the NVLKNF, de beroepsvereniging van Laboranten Klinische Neurofysiologie. Vakgenoten, June 2012, the Netherlands.
- 2012 Centric, Magazine van het ICT bedrijf Centric. [Brain-Computer Interfaces](#)
- 2012 Centre for telematics and information technology (CTIT). Progress Report 2011-2012. [Communicating via your brain](#)
- 2011 [Interview for Future BNCI project.](#)
- 2010 *Het recht om te sterven en het recht om te leven in de locked-in toestand*. Researcher's Night, September 2010, Nijmegen, the Netherlands
- 2010 BrainGain project flyer. [Wij slaan de brug tussen wetenschapper en patiënten](#)

### Invited lectures (selection)

- 2016 Onderwijs- en Opleidingsregio (OOR) Leiden, Sophia Revalidatiecentrum. Refereeravond over het locked-in syndroom. *Leven met locked-in syndroom*.
- 2016 Expert Workshop on the societal and philosophical aspects of Neuro-enhancement, Conference Centre Soeterbeeck in Ravenstein, February 2016, *From the lab to the neurocatwalk in 10 minutes*
- 2015 World Café: Neurotechnologie & Samenleving. Design your future! Een workshop van het Nerri project. [EEG Brain-Computer Interfaces](#)
- 2014 Science, Technology and Policy Studies Colloquium at the University of Twente . *In dialogue with the real experts – technology assessment of existing assistive technology and emerging brain-computer interfaces by people with physical disabilities*
- 2013 *Brain-Computer Interfaces Perspectives of stakeholders on technical, ethical, legal and social issues*. 3TU research day, May 2013, Utrecht, the Netherlands
- 2013 *Brain-Computer Interfaces: Perspectives of stakeholders on technical, ethical, legal and social issues*. SOFMER, October 2013, Reims, France.
- 2012 *Dreamschool: hoe gaan we in de toekomst les krijgen?* 7 days of inspiration, February 2011, Enschede, the Netherlands
- 2012 Maastricht Medical Students Research Conference. *Brain-Computer Interfaces*. June 2012, Maastricht, the Netherlands.
- 2012 *Neurotechnologies on the rise an interactive introduction to moral, legal and social issues*. September Berlin Brain-Computer Interface Summerschool.
- 2011 *Bridging the gap between ethics and neuroengineering: an empirical approach to the case of brain-computer interfacing*. BrainGear symposium by the European Neuroscience and Society Network, September 2011, Groningen, the Netherlands.
- 2009 *Do locked-in patients fail to use a BCI because of extinction of thought?* Advanced workshop "Consciousness and its descriptors" organized in the framework of COST, March 2009, Crotona, Italy.
- 2008 *Moving brain-machine interfaces into people's homes*. 'Realtime brain-machine interfacing workshop' organized by the Mathematical Bioscience Institute. May 12-15 2008, Columbus, Ohio, USA.
- 2008 *Contributions from clinical practice: Brain-computer interfaces for (complete) locked-in patients*. 'Brain-computer interfacing in 2008 symposium' organized by the Rudolf Magnus Institute for Neuroscience and the BrainGain Consortium, July 3-4 2008, Utrecht, the Netherlands.
- 2007 *Auditory brain-computer interfaces – initial steps*. 'BCI meets HCI – pascal workshop' organized by IDIAP and the Pascal network. April 16-17 2007, Martigny, Switzerland.
- 2007 *Der Mensch denkt – der Chip lenkt? Gehirn-Computer-Schnittstellen zwischen Kommunikation und Manipulation (translation: men thinks – a chip controls? Brain-machine interfaces between communication and manipulation)*. 'Wenn Computer und Gehirn versmelzen – wie weit darf die

Technisierung des Menschen gehen' organized by the evangelical academy of Iserlohn. December 7-9, 2007, Iserlohn, Germany.

2004 *Samenwerking tussen mens en machine – Brain-computer interface*. Symposium organized by the Fysisch-Mathematische Faculteitsvereniging (FMF) of the University of Groningen. December 2004, Groningen, the Netherlands.

2004 *Gevangen in eigen lichaam- brain-computer interface*. Lecture for the postgraduate school for neurological language and speech disorders. december 9, 2004, Gent, Belgium.

## Publications

- 27 peer-reviewed publications
- 10 conference papers
- 6 chapters
- H-Index = 18 (Google Scholar) and 13 (Web of Knowledge)
- Sum of Times Cited without self-citations: 1127
- Average Citations per publication: 43.22

## Journal papers

### 2015

Times cited  
Impact Factor (IF)

**Nijboer, F.** (2015). Technology transfer of brain-computer interfaces as assistive technology: barriers and opportunities. *Ann Phys Rehabil Med*, 58(1), 35-38. doi: 10.1016/j.rehab.2014.11.001

Cited: 1  
IF: n.a.

**Nijboer, F.**, van de Laar, B., Gerritsen, S., Nijholt, A., & Poel, M. (2015). Usability of Three Electroencephalogram Headsets for Brain-Computer Interfaces: A Within Subject Comparison. *Interacting with Computers*, 27(5), 500-511.

### 2014

Bensch, M., et al. (2014). "Assessing attention and cognitive function in completely locked-in state with event-related brain potentials and epidural electrocorticography." *Journal of Neural Engineering* 11(2): 026006

Cited: 3  
5-Yr IF: 3.74

**Nijboer, F.**, et al. (2014). "Design requirements and potential target users for brain-computer interfaces – recommendations from rehabilitation professionals." *Brain-Computer Interfaces*: 1-12

Cited: 1  
IF: n.a.

Martens, S., Bensch, M., Halder, S., Hill, J., **Nijboer, F.**, Ramos-Murguialday, A., . . . Gharabaghi, A. (2014). Epidural electrocorticography for monitoring of arousal in locked-in state. *Front Hum Neurosci*, 8, 861. doi: 10.3389/fnhum.2014.00861

Cited: 0  
IF: 3.63

### 2013

**Nijboer, F.**, et al. (2013). "The Asilomar Survey: Stakeholders' Opinions on Ethical

Cited: 7;

Issues Related to Brain-Computer Interfacing." *Neuroethics* 6: 541-578. IF: 1.31

Soekadar SR, Born J, Birbaumer N, Bensch M, Halder S, Murguialday AR, et al. Fragmentation of slow wave sleep after onset of complete locked-in state. *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*. 2013;9(9):951-3. Cited: 2  
5-Yr IF: 3.89

## 2012

Vlek, R. J., Steines, D., Szibbo, D., Kübler, A., Schneider, M.-J., Haselager, P., & **Nijboer, F.** (2012). Ethical Issues in Brain–Computer Interface Research, Development, and Dissemination. *Journal of Neurologic Physical Therapy*, 36(2), 94. Cited: 8  
5-Yr IF: 2.71

## 2011

Murguialday, A. R., Hill, J., Bensch, M., Martens, S., Halder, S., **Nijboer, F.**, . . . Gharabaghi, A. (2011). Transition from the locked in to the completely locked-in state: A physiological analysis. *Clinical Neurophysiology*, 122(5), 925-933. Cited: 45  
5-Yr IF: 3.36

Zander, T. O., Lehne, M., Ihme, K., Jatzev, S., Correia, J., Kothe, C., . . . **Nijboer, F.** (2011). A dry EEG-system for scientific research and brain–computer interfaces. *Frontiers in neuroscience*, 5. Cited: 45  
IF: 3.66

## 2010

Halder, S., Rea, M., Andreoni, R., **Nijboer, F.**, Hammer, E., Kleih, S., . . . Kübler, A. (2010). An auditory oddball brain-computer interface for binary choices. *Clinical Neurophysiology*, 121(4), 516-523. Cited: 51  
5-Yr IF 3.36

Kleih, S., **Nijboer, F.**, Halder, S., & Kübler, A. (2010). Motivation modulates the P300 amplitude during brain-computer interface use. *Clinical Neurophysiology*, 121(7), 1023-1031. Cited: 66 5-Year IF: 3.36

**Nijboer, F.**, Birbaumer, N., & Kübler, A. (2010). The influence of psychological state and motivation on brain–computer interface performance in patients with amyotrophic lateral sclerosis—a longitudinal study. *Frontiers in neuroscience*, 4. Cited: 66  
IF: 3.66

## 2009

Furdea, A., Halder, S., Krusienski, D., Bross, D., **Nijboer, F.**, Birbaumer, N., & Kübler, A. (2009). An auditory oddball (P300) spelling system for brain-computer interfaces. *Psychophysiology*, 46(3), 617-625. Cited: 117  
5-Year IF: 3.70

Haselager, P., Vlek, R., Hill, J., & **Nijboer, F.** (2009). A note on ethical aspects of BCI. *Neural Networks*, 22(9), 1352-1357. Cited: 13  
5-Year IF: 2.73

Kübler, A., Furdea, A., Halder, S., Hammer, E. M., **Nijboer, F.**, & Kotchoubey, B. (2009). A Brain–Computer Interface Controlled Auditory Event-Related Potential (P300) Spelling System for Locked-In Patients. *Annals of the New York Academy of Sciences*, 1157(1), 90-100. Cited: 85  
IF: 4.38



## 2008

- Nijboer, F.**, Furdea, A., Gunst, I., Mellinger, J., McFarland, D. J., Birbaumer, N., & Kübler, A. (2008). An auditory brain-computer interface (BCI). *Journal of neuroscience methods*, 167(1), 43-50. Cited: 119  
5-Year IF: 2.25
- Nijboer, F.**, Sellers, E., Mellinger, J., Jordan, M., Matuz, T., Furdea, A., . . . Vaughan, T. (2008). A P300-based brain-computer interface for people with amyotrophic lateral sclerosis. *Clinical Neurophysiology*, 119(8), 1909-1916. Cited: 242  
Year IF: 3.36

## 2007

- Kurt, A., **Nijboer, F.**, Matuz, T., & Kübler, A. (2007). Depression and anxiety in individuals with amyotrophic lateral sclerosis. *CNS drugs*, 21(4), 279-291. Cited: 42  
IF: 5.11

## 2006

- Hill, N. J., Lal, T. N., Schroder, M., Hinterberger, T., Wilhelm, B., **Nijboer, F.**, . . . Scholkopf, B. (2006). Classifying EEG and ECoG signals without subject training for fast BCI implementation: comparison of nonparalyzed and completely paralyzed subjects. *Neural Systems and Rehabilitation Engineering, IEEE Transactions on*, 14(2), 183-186. Cited: 49  
IF: 3.19
- Wolpaw, J. R., Loeb, G. E., Allison, B. Z., Donchin, E., do Nascimento, O. F., Heetderks, W. J., . . . Turner, J. N. (2006). BCI Meeting 2005-Workshop on signals and recording methods. *Neural Systems and Rehabilitation Engineering, IEEE Transactions on*, 14(2), 138-141. Cited: 44  
5-Year IF: 3.63

## 2005

- Kübler, A., **Nijboer, F.**, Mellinger, J., Vaughan, T. M., Pawelzik, H., Schalk, G., . . . Wolpaw, J. R. (2005). Patients with ALS can use sensorimotor rhythms to operate a brain-computer interface. *Neurology*, 64(10), 1775-1777. Cited: 218  
5-Year IF: 8.31

## Conference papers

- Carmien, S. P., & Nijboer, F. (2011). *Cultural Bias and Personalization, Broad and Narrow*. Paper presented at the Fostering Social Interactions in the Ageing Society held in European Conference on Computer-Supported Cooperative Work (ECSCW11), 24-28 September 2011, Aarhus, Denmark.
- Evers, V., Brewster, S., Lazar, J., Liu, Z., Marsden, G., Prates, R., & Nijboer, F. (2012). *Changing requirements to HCI funding: a global perspective*. Paper presented at the Proceedings of the 2012 ACM annual conference extended abstracts on Human Factors in Computing Systems Extended Abstracts.
- Furdea, A., Ruf, C., Walter, A., Pagania, D., Matuz, T., Hill, J., . . . Birbaumer, N. (2009). Enabling communication in completely paralysed by semantic classical conditioning: a pilot study. *Psychophysiology*, 46, S60-S60.
- Gürkök, H., Plass-Oude Bos, D., Laar, v. d. B., Nijboer, F., & Nijholt, A. (2011). User Experience Evaluation in BCI: Filling the Gap. *International Journal of Bioelectromagnetism*, 13(1), 54-55.

- Kubler, A., Nijboer, F., Mellinger, J., Matuz, T., Kleber, B., Eitel-Braitsch, Y., . . . Birbaumer, N. (2005). *Brain-computer interfaces-Communication with the P300*. Paper presented at the JOURNAL OF PSYCHOPHYSIOLOGY.
- Laar, B., Nijboer, F., Gürkök, H., Plass-Oude Bos, D., & Nijholt, A. (2011). User Experience Evaluation in BCI: Bridge the Gap. *International Journal of Bioelectromagnetism*, 13(3), 157-158.
- Mellinger, J., Nijboer, F., Schalk, G., McFarland, D., Vaughan, T., Wolpaw, J., . . . Kuebler, A. (2004). *Brain-computer interfaces (BCIS): Comparing the performance of different brain signals using BCI2000*. Paper presented at the annual conference of the Society for Psychophysiology.
- Mühl, C., van den Broek, E., Brouwer, A.-M., Nijboer, F., van Wouwe, N., & Heylen, D. (2011). Multi-modal Affect Induction for Affective Brain-Computer Interfaces. *Affective Computing and Intelligent Interaction*, 235-245.
- Nijboer F. Brain-Computer Interfaces—perspectives of stakeholders on technical, ethical, legal and social issues. *Annals of Physical and Rehabilitation Medicine*. 2013;56:e377-e8.
- Nijboer, F., Matuz, T., Kübler, A., & Birbaumer, N. (2006). *Ethical, psychological and social implications of brain-computer interface application in paralyzed patients*. Paper presented at the AAAI Workshop on Human Implications of Human-Robot Interaction.
- Nijboer, F., Carmien, S., Leon, E., Morin, F., Koene, R., & Hoffmann, U. (2009). *Affective brain-computer interfaces: Psychophysiological markers of emotion in healthy persons and in persons with amyotrophic lateral sclerosis*. Paper presented at the Affective Computing and Intelligent Interaction and Workshops, 2009. ACII 2009. 3rd International Conference on.
- Nijboer, F., Gunst, I., Von Hartlieb, S., McFarland, D., Birbaumer, N., & Kubler, A. (2006). *A comparison between auditory and visual feedback of sensorimotor rhythms (SMR) for a Brain-computer interface (BCI) in healthy participants*. Paper presented at the Psychophysiology.
- Nijboer, F., Allison, B., Dunne, S., Plass-Oude Bos, D., Nijholt, A., & Haselager, P. (2011). A Preliminary Survey on the Perception of Marketability of Brain-Computer Interfaces and Initial Development of a Repository of BCI Companies.
- Nijboer, F., Clausen, J., Allison, B. Z., & Haselager, P. (2011). Researchers' opinions about ethically sound dissemination of BCI research to the public media. *International Journal of Bioelectromagnetism*, 13(3), 108-109.
- Poel, M., Nijboer, F., van den Broek, E. L., Fairclough, S., & Nijholt, A. (2012). *Brain computer interfaces as intelligent sensors for enhancing human-computer interaction*. Paper presented at the Proceedings of the 14th ACM international conference on Multimodal interaction.
- van de Laar, B., Brugman, I., Nijboer, F., Poel, M., & Nijholt, A. (2013). *BrainBrush, a Multimodal Application for Creative Expressivity*. Paper presented at the ACHI 2013, The Sixth International Conference on Advances in Computer-Human Interactions.
- van den Broek, E. L., Brouwer, A.-M., Nijboer, F., van Wouwe, N., & Heylen, D. (2011). *Multi-modal affect induction for affective brain-computer interfaces*. Paper presented at the Proceedings of the 4th international conference on Affective computing and intelligent interaction-Volume Part I.

### Book chapter

- Hinterberger, T., Nijboer, F., Kübler, A., Matuz, T., Furdea, A., Mochty, U., . . . Mellinger, J. (2007). Brain-computer interfaces for communication in paralysis: A clinical experimental approach. *Towards Brain-Computer Interfacing*, 43-64.
- Kubler, A., Nijboer, F., & Birbaumer, N. (2007). *Brain-Computer Interfaces for Communication and Motor Control—Perspectives on Clinical Applications*: The MIT Press.
- Nijboer, F., & Broermann, U. (2010). Brain-computer interfaces for communication and control in locked-in patients. *Brain-Computer Interfaces*, 185-201.
- Nijboer, F., Kleih, S., & Kübler, A. (2009). *Gehirn-Computer Schnittstellen fuer schwerstgelaehmte Menschen - klinische Moeglichkeiten, technische Grenzen und etische Fragen*: mentis Verlag GmbH.

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