PO Box 90153 (D352)
5000 LE Tilburg
The Netherlands
(+31) 13 466 4479
A.M.Tinga@uvt.nl
AngelicaTinga.github.io

Curriculum Vitae
Angelique (Angelica Maria) Tinga, MSc

PERSONAL BIO

I received my BSc in Cognitive and Neurobiological Psychology (cum laude) and my MSc in Neuroscience and Cognition from Utrecht University. After my studies I worked at Utrecht University and the Max Planck Institute for Psycholinguistics Nijmegen on several virtual reality projects using various head mounted-displays and sophisticated CAVE environments. In my research I have applied multiple techniques of measuring human physiology, ranging from eye-tracking to electroencephalography. Currently I work as a PhD-Candidate at Tilburg University examining behavioral, cognitive and physiological processes in virtual reality.

EDUCATION

Utrecht University, Research Master Neuroscience and Cognition

2012 - 2014

Average grade: 8.5 out of 10

Utrecht University, Bachelor Cognitive and Neurobiological Psychology, *cum laude*

2009 - 2012

Average grade: 8.5 out of 10

Hogeschool Utrecht, Propaedeutic year in Social Educational Care

2008 - 2009

Christelijk Lyceum Veenendaal, Higher general secondary education

2003 - 2008

SCIENTIFIC RESEARCH EXPERIENCE

Tilburg University, Department of Cognitive Science and Artificial Intelligence
PhD-Candidate under supervision of prof. dr. Max Louwerse

2016 - present

PhD research project on behavioral, cognitive and physiological (i.e. electroencephalography; electrocardiography; electrodermal activity; electromyography; eye-tracking; accelerometry) processes during learning in virtual reality. The project is funded for well over 1.5 million dollar by the EU, the Dutch Ministry of Economic Affairs and several other funding agencies and involves 33 (international) companies

Utrecht University, Department of Clinical and Health Psychology and Department of Experimental Psychology
Research assistant of prof. dr. Iris Engelhard, dr. Marianne Little and dr. Maarten van der Smagt

2014 - 2016

Research projects on optic flow in virtual reality, the underpinnings of anxiety, and treatment of anxiety disorders through Eye Movement Desensitization and Reprocessing (EMDR)

Max Planck Institute, Nijmegen, Department of Neurobiology of Language
Research assistant of the department of prof. dr. Peter Hagoort

2015 - 2016

Research projects on language learning in virtual reality and the neural signature (as measured by electroencephalography) of language processing

Philips, Eindhoven, Department of Brain, Body and Behavior
Research intern under supervision of prof. dr. Raymond van Ee, dr. Björn Vlaskamp and prof. dr. Susan te Pas

2014

Research project on the alerting effects of light. In addition to the research project, a guideline for research on this topic was developed and is still employed by Philips

TNO (i.e., Dutch Organization for Applied Scientific Research), Soesterberg, Department of Perceptual and Cognitive Systems
Research intern under supervision of prof. dr. Jan van Erp, dr. Chris Jansen and dr. Maarten van der Smagt

2013 - 2014

Research project on the effects of tactile stimulation on walking trajectory and balance

Utrecht University, Department of Experimental Psychology
Research intern under supervision of dr. Tanja Nijboer and prof. dr. Raymond van Ee

2013 - 2014

Research project on multisensory stimulation as a treatment for stroke patients. The project involved collaborations with Philips, University Medical Center Utrecht, Revalidatiecentrum de Hoogstraat and St. Elisabeth Hospital

SCIENTIFIC ACTIVITIES

Donders Wonders (i.e., weblog of the Donders Institute, Nijmegen)
Editorial office member

2015 – present

ADDITIONAL WORK EXPERIENCE

Theater 'De Lampegiet', Veenendaal
Administrative and financial assistant

2011 - 2012

Axxicom, Veenendaal
Home-care professional

2009 – 2011

Intercultureel Vrouwencentrum, Veenendaal
Mentor and activity organizer for Turkish and Moroccan teenage girls
2008 – 2009

EXPERIMENTAL SKILLS

Computer programs

MATLAB, Presentation, Python, MonoGame, Unity, Brain Vision Analyzer, SPSS, R

Techniques

Programming, virtual reality, eye-tracking, electroencephalography, electrocardiogram, electrodermal activity, electromyography, accelerometry, balance, walking trajectory, machine learning, systematic reviewing, varying data preprocessing and analyzing techniques

ADDITIONAL INFORMATION

Languages

Dutch (native), English (fluent)

Personality

Analytical, ambitious, reliable, determined, accurate

Spare time

Traveling and visiting theaters
Playing piano and writing
Diverse sports (fitness, biking, yoga)

Addendum:
List of Scientific Publications and Presentations

PEER-REVIEWED PUBLICATIONS

Tinga, A. M., de Back, T. T., & Louwerse, M. M. (2019). Non-invasive neurophysiological measures of learning: A meta-analysis. *Neuroscience and Biobehavioral Reviews.*

Tinga, A. M., Nykliček, I., Jansen, M. P., de Back, T. T., & Louwerse, M. M. (2018). Respiratory biofeedback does not facilitate lowering arousal in meditation through virtual reality. *Applied Psychophysiology and Biofeedback.*

De Back, T. T., van Hoef, R., Tinga, A. M., & Louwerse, M. M. (2018). Presence is key: unlocking performance benefits of immersive virtual reality. *Proceedings of the 40th annual conference of the Cognitive Science Society.*

De Back, T. T., Tinga, A. M., van Hoef, R., Peters, E. M., & Louwerse, M. M. (2018). The applicability and benefits of virtual reality for the cognitive sciences. *Proceedings of the 40th annual conference of the Cognitive Science Society.*

Tinga, A. M., Jansen, C., van der Smagt, M. J., Nijboer, T. C. W., & van Erp, J. B. F. (2018). Tactile stimulation encircling the waist can induce circular vection but does not influence walking and balance. *Acta Psychologica, 128*, 32-38.

Souman, J. L., Tinga, A. M., te Pas, S. F., Vlaskamp, B. N. S., & van Ee, R. (2018). Acute alerting effects of light: a systematic literature review. *Behavioral Brain Research, 337*, 228-239.

Littel, M., Remijn, M., Tinga, A. M., Engelhard, I. M., & van den Hout, M. A. (2017). Stress enhances the memory-degrading effects of eye movements on emotionally neutral memories. *Clinical Psychological Science, 5*(2), 316-324.

Tinga, A. M., Visser-Meily, M. A., van der Smagt, M. J., Van der Stigchel, S., van Ee, R., & Nijboer, T. C. W. (2016). Multisensory stimulation to improve low- and higher-level sensory deficits after stroke: a systematic review. *Neuropsychology Review, 26*(1), 73-91.

Tinga, A. M., Visser-Meily, M. A., van der Smagt, M. J., H. C. Dijkerman, & Nijboer, T. C. W. (2014). Innovatieve cognitieve revalidatietechnieken gericht op functieherstel bij hemispatieel neglect. *Tijdschrift voor Neuropsychologie, 9*(3), 207-223.

SCIENTIFIC PRESENTATIONS

'The Psychonomic Society Meeting', IMPS (2018).
Biofeedback is less effective in meditation than comparable feedback uncoupled from physiology.

'Alumni Masterclass in virtual and augmented reality', Tilburg University (2018).
Measuring behavior and physiology in virtual reality.

‘PhD Day’, Tilburg center for Cognition and Communication (2017).
Biofeedback is not always preferable in reducing arousal.

‘Class of Excelence’, Brainport Eindhoven (2016).
Insight in behavior with sensing technologies.

‘Perception Day’, University of Technology and Philips (2015).
Tactile stimulation encircling the waist can induce circular vection but does not influence walking.

‘Mind the brain symposium’, Utrecht University (2014).
Effects of tactile induced circular vection on walking and balance.

‘Mind the brain symposium’, Utrecht University (2013).
Multisensory stimulation as an intervention for visuo-spatial neglect.

‘Kijk Verder’, Revalidatiecentrum de Hoogstraat Utrecht (2013).
Multisensory stimulation in neglect patients.

‘Dutch Knowledge-Network-CVA’, Revalidatiecentrum de Hoogstraat Utrecht (2012).
Multisensory stimulation as a possible rehabilitation method for hemispatial neglect.