

Curriculum Vitae

Wim T. J. L. Pouw, PhD

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Date of Birth: October, 4th 1987
Place of Birth: Murcia, Spain

Homepage: <http://www.wimpouw.com/>
Twitter: <https://twitter.com/wimpouw>

Post-Graduate Academic Working Experience

- September 2017-
Current** Visiting Postdoctoral Researcher, University of Connecticut
Centre for the Ecological Study of Perception and Action
Concentrations: Gesture-Speech Synchrony, Perception &
Action
Supervisor: Prof. Dr. James Dixon
- June 2016-Current** Postdoctoral Researcher, Erasmus University Rotterdam,
Department of Psychology, Education and Child Studies
Concentrations: Gesture & Learning, Embedded and Embodied
Cognition
Supervisor: Prof. Dr. Fred Paas
- Education**
- Oct 2012- June 2016** PhD candidate, Erasmus University Rotterdam, Institute of
Psychology, The Netherlands
Concentrations: Embodied/Embedded/Extended Cognition,
Learning & Instruction, Instructional Animations
Promoters: Prof. dr. Tamara van Gog, Prof dr. Fred Paas, Prof
dr. Rolf Zwaan
Dissertation title: The cognitive function of manual activity in
learning and problem solving
Date approved Defense Committee: 7-10-2016
Date of Defense: 16th March 2017
- Feb-July 2015** Visiting Associate Fellow, University of Wollongong
Faculty of Social Sciences, Early Start Research Institute (ESRI),
Australia

Concentrations: Human Movement and Learning, Radically embodied, embedded, enactive cognition
Supervision Philosophy Track: Prof. dr. Daniel Hutto
Supervision Movement & Learning Track: Prof. dr Fred Paas

2011-2012

Msc Psychology (Free variant), VU University Amsterdam, Department of Theoretical Psychology (mean grade [weighted]: 8.6)
Concentrations: Theoretical Psychology, Situated and Embodied Cognition, Embodied Simulation, Ecological Psychology, Phenomenology, Enactivism
M-Thesis: Rethinking Situated and Embodied Social Psychology (grade: 9.0) – Published in Theory and Psychology
Supervisor: Dr. H. Looren de Jong
Second Reader: Prof. dr. R. Zwaan

2009-2011

Msc Social Psychology (2 yrs Research Master), VU University Amsterdam, Department of Social Psychology (*Cum Laude*¹; mean grade [weighted]: 8.4)
Concentrations: Social perception; Group Dynamics; Social Neuroscience; Metaphor; Agency; Embodiment
M-thesis: Embodiment of weight in moral behavior (grade: 9.0)
Supervisor: Dr. N. Jostmann
Research project: Embodiment of warmth in interpersonal relations – Published in Acta Psychologica
Supervisor: Dr. H. Ijzerman

2006-2009

Bsc, Social Psychology, VU University Amsterdam

Undergraduate Academic Working Experience

2010-2012

Academy Assistant (student assistant program funded by the *Royal Netherlands Academy of Arts and Sciences*), VU University Amsterdam
Department: Sociology
Project: Collective action in emerging neighborhoods – Published in Journal of Social en Political Psychology
Supervisor: Dr. J. van Stekelenburg

2007-2009

Test Coordinator
VU University Amsterdam
Department: Developmental Psychology
Supervisor: Dr. Barbara Menting

Awarded (Travel) Grants (total = 136.564 euro)

2017 NWO Rubicon grant for the project “Acting on Enacted Kinematics” (**134.764 euros; PI**)

2016 Erasmus Support Programme National and International Projects (**3.000 Euros; PI**)

2015 Erasmus Trustfonds travel grant for foreign research internship (**1.500 Euros; PI**)

¹ Highest distinction in the Netherlands.

Awards

2015

Nominated for the Erasmus University Rotterdam Graduate School Award for best article of 2015 ([link](#)) for Pouw & Looren de Jong, 2015 in *Theory and Psychology*.

2014

Graduate Research Day Article Award 2014 awarded by Institute of Psychology Erasmus University Rotterdam for Pouw, de Nooijer, van Gog, Zwaan, Paas (2014) in *Frontiers in Psychology: Cognitive Science*.

Research Skills

Extensive knowledge of R

Extensive knowledge ELAN

Extensive knowledge motion tracking (e.g., Polhemus Liberty)

Extensive knowledge open research practices

Proficient Knowledge of *Python* for experimental psychological applications (Psychopy, Pygaze)

Proficient Knowledge C++

Proficient Knowledge *JASP*

Hands-on knowledge of network analysis software UCINET

Hands-on knowledge eye-tracking analysis software Begaze

Hands-on knowledge Physical Temperature Measurements

Teaching History

-Tutor for Msc course 'Applied Multivariate Data Analysis' (2016-2017)

- Co-coordinator and Tutor of 2nd year course Psychology (Bsc) 'History and Philosophy of Science' (2013-2015)

- Supervisor Bachelor & Master Theses (2013-2017)

- Co-coordinated the Annual Summer School Social Psychology at VU University, August 7th till September 31th, 2011.

Ad-hoc Reviewing Experience

Acta Psychologica (3x)

Advances in Cognitive Psychology (1x)

Educational Psychologist (1x)

Cognitive Neuroscience (1x)

Frontiers in Cognition (1x)

Learning and Instruction (3x)

Educational Psychology Review (6x)

Cognitive Science (2x)

Journal of Numerical Cognition (1x)


Journal of Experimental Psychology: Human Perception and Performance(1x)

Journal of Experimental Psychology: Learning, Memory and Cognition(1x)

Peer-reviewed Articles

Articles Submitted/Under Review

Pouw, W. & Dixon, J. A. (under review). Entrainment and modulation of gesture-speech synchrony under delayed auditory feedback.

 Open data & pre-registration: <https://osf.io/pcde3/>


 Preprint: <https://psyarxiv.com/avj7m/>

Pouw, W.**, Wassenburg, S.**, de Koning, B., Hostetter, A., & Paas, F (under review). Does gesture strengthen sensorimotor knowledge of objects? The case of the size-weight illusion. **shared first authorship

 Open data & pre-registration: <https://osf.io/9uh6q/>

 Preprint: <https://psyarxiv.com/svhmr>

Pouw, W., Rop, G., & Paas. (major revision under review). The cognitive basis for the split-attention effect. *Journal of Experimental Psychology: General*.

 Open data & pre-registration exp 2.: <https://osf.io/j2rhy/>

Unpublished preprints and pre-registrations

Pouw, W., Harrison, S., & Dixon, J. A. (2018). The physical basis for gesture-speech synchrony: Exploratory study and pre-registration.

 Open data: <https://osf.io/j2rhy/>

 Preprint: <https://psyarxiv.com/9fzsv/>

Pouw, W., & Dixon, J. (2018). Effects of delayed auditory feedback on gesture-speech synchrony: Pre-registration and exploratory study. doi: [10.17605/OSF.IO/3UHPV](https://doi.org/10.17605/OSF.IO/3UHPV)

 Open data: <https://osf.io/pcde3/>

 Preprint: <https://psyarxiv.com/3uhpv>

In preparation

Pouw, W., & Dixon, J. (in prep). Quantifying gesture-speech synchrony: Exploratory data report and pre-registration.

Kamermans, K. L.**, Pouw**, W., Fassi, L., Aslanidou, A., Paas, F., & Hostetter, A. (in prep). Reinterpretation in multimodal imagery and the role of manual enactment. **Shared first Authorship

Hostetter, A., **Pouw, W.**, & Wakefield, E (in prep). Detecting Sensorimotor Regularities through Action and Gesture.

Pouw, W., de Jonge-Hoekstra, L., & Dixon, J. (in prep). Gesture-Speech Stability through Synergy: An exploratory study of gesture and speech rhythms using the SaGa corpus.

Published Articles

2018/in press

Eielts*, C., **Pouw, W***, van Gog, T., Ouweland, K., Zwaan, R. A., & Paas, F. (2018). When gestures are put into thought: The role of co-thought gestures, visual working memory, and task complexity in problem solving. *Psychological Research*, 1-12.

 Open data: <https://osf.io/fydsv/>

**Shared first authorship

Pouw, W. T. J. L., van Gog, T., Zwaan, R. A., Agostinho, S., & Paas, F. (2018). The role of co-thought gestures, visual working memory, and task complexity in problem-solving: A replication study with children (8-12 yrs), 32(1), 66-80.

🌀 Preregistration & open data: <https://osf.io/dreks/>

2017

Kamermans**, K., **Pouw, W.****, Mast, W. F., & Paas, F. (2017). Reinterpretation in visual imagery is possible without visual cues: A validation of previous research. *Psychological Research*, 1-14. doi: s00426-017-0956-5 ** Shared first authorship.

🌀 Open data: <https://osf.io/rysfm/>

Pouw, W., Aslanidou, A., Kamermans, K., & Paas, F. (2017). Is ambiguity detection in haptic imagery possible? Evidence for enactive imaginings. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 2925-2930). Austin, TX: Cognitive Science Society.

🌀 Open data: <https://osf.io/rysfm/>

Pouw, W. T. J. L., Van Gog, T., Zwaan, R. A., & Paas, F. (2017). Are gesture and speech mismatches produced by an integrated gesture-speech system? A more dynamically embodied perspective is needed for understanding gesture-related learning. *Behavioral and Brain Sciences*, 40, 68. doi: [10.1017/S0140525X15003039](https://doi.org/10.1017/S0140525X15003039)

2016

Van Wermeskerken, M., Fijan, N., Eielts, E. C., & **Pouw, W. T. J. L.** (2016). Observation of depictive- versus tracing gestures selectively aids verbal versus visual-spatial learning in primary school children. *Applied Cognitive Psychology*, 30, 806-814. doi: [10.1002/acp.3256](https://doi.org/10.1002/acp.3256)

Pouw, W. T. J. L., van Gog, T., Zwaan, R. A., & Paas, F. (2016). Augmenting instructional animations with sensori-motor information to help Children learn about physical systems. *Frontiers in Psychology*. doi: [10.3389/fpsyg.2016.00860](https://doi.org/10.3389/fpsyg.2016.00860)

🌀 Open data: <https://osf.io/4pkjx/>

Pouw, W. T. J. L. & Hostetter, A. (2016). Gesture as predictive action. *Reti, Saperi, Linguaggi: Italian Journal of Cognitive Sciences*, 3, 57-80. doi: [10.12832/83918](https://doi.org/10.12832/83918)

Pouw, W. T. J. L., Eielts, E. C., van Gog, T., Zwaan, R. A., & Paas, F. (2016). Does (non-)meaningful sensori-motor engagement promote learning with animated physical systems? *Mind, Brain & Education*, 10, 91-104. doi: [10.1111/mbe.12105](https://doi.org/10.1111/mbe.12105)

Pouw, W. T. J. L., Mavilidi, M., Van Gog, T., & Paas, F. (2016). Gesturing during mental problem solving reduces eye movements, especially for individuals with lower visual working memory capacity. *Cognitive Processing*, 17, 269-277. doi: [10.1007/s10339-016-0757-6](https://doi.org/10.1007/s10339-016-0757-6)

2015

Pouw, W. T. J. L., & de Jong, H. (2015). Rethinking situated and embodied social psychology. *Theory and Psychology*. doi:[10.1177/0959354315585661](https://doi.org/10.1177/0959354315585661)

2014

Pouw, W. T. J. L., De Nooijer, J. A., Van Gog, T., Zwaan, R. A., & Paas, F. (2014a). Toward a more embedded/extended perspective on the cognitive function of gestures. *Frontiers in Psychology*, 5, 359. doi: [10.3389/fpsyg.2014.00359](https://doi.org/10.3389/fpsyg.2014.00359)

- Pouw, W. T. J. L.,** Van Gog, T., & Paas, F. (2014b). An embedded and embodied cognition review of instructional manipulatives. *Educational Psychology Review*, 26, 51-72. doi: [10.1007/s10648-014-9255-5](https://doi.org/10.1007/s10648-014-9255-5) 2013
- Van Stekelenburg, J., Petrovic, I., **Pouw, W. T. J. L.,** Limburg, N., & Nederlof, N. (2013). From correlation to causation: The cruciality of a collectivity in the context of collective action. *Journal of Social and Political Psychology*, 1, 161–187 doi: [10.5964/j spp.v1i1.38](https://doi.org/10.5964/j spp.v1i1.38) 2012
- Ijzerman, H., Gallucci, M., **Pouw, W. J. T. L.,** Weißgerber, S. C., Van Doesum, N. J., & Williams, K. D. (2012). Cold-blooded loneliness: Social exclusion leads to lower finger temperatures. *Acta Psychologica*, 140, 283-288. <http://dx.doi.org/10.1016/j.actpsy.2012.05.002> (link replication package)
- Conferences/Symposia/Invited Talks**
- Pouw*, I. & Pouw, W.** (2018). Explicit synchrony of speech and gestures in autism spectrum disorder. Poster presentation at the *10th annual meeting for the Society for the Neurobiology of Language*, Quebec City, August 16-18, 2018. 2018
- Pouw*, W.,** Wassenburg, S., de Koning, B., Hostetter, A., Paas, F. (2018). Does gesturing affect sensorimotor knowledge? A pre-registered study. Talk at the *8th conference of International Society for Gesture Studies*, Cape Town, July 4-8, 2018.
- Pouw*, W.** (2018). Does gesture strengthen sensori-motor knowledge? The case of the size-weight illusion. Invited Talk at the Goldin-Meadow Lab, Chicago, 24th of January 2018. 2017
- Pouw*, W.,** Aslanidou, A., Kamermans, K., & Paas, F (2017). Is ambiguity detection in haptic imagery possible? Evidence for enactive imaginings. Poster presented at the *39th Annual Meeting of the Cognitive Science Society*, London. July 26-29th.
- Pouw, W. T. J. L.,** Kamermans*, K., Mast., W. F., & Paas, F. (2017; poster). Ambiguity detection in visual imagery is possible without visual cues. *2nd Biennial International Convention of Psychological Science (ICPS)*, Vienna, March 23-25th, 2017. 2016
- Pouw*, W. T. J. L.** (2016). The cognitive function of co-thought gestures in problem solving. Invited presentation, Centre for the Ecological Study of Perception and Action, University of Connecticut, May 6th, 2016. 2015
- Pouw*, W. T. J. L.,** Van Gog, T., Zwaan, R.A., & Paas, F. (2015). Soliciting embedded and embodied cognition in learning and problem solving. Invited presentation, Bakker, M. F., S. Shayan, & P. Leseman (symposium Chairs & Organizers), *Embodied Design*. Freudenthal Institute for Science and Mathematics Education. Utrecht University, The Netherlands, October 16th, 2015.
- Pouw, W. T. J. L.,** Van Gog, T., Zwaan, R.A., & Paas, F. Paas, F., The role of co-thought gestures in problem solving. Presentation at *Human Movement Skills: Learning, Cognition, Health*, Pouw, W. T. J. L. & Paas, F., University of Wollongong (Early Start Research Institute) 26th of May 2015.
- Pouw, W. T. J. L.,** Eielts*, C., Van Gog, T., Zwaan, R.A., & Paas, F. (2015). The cognitive benefits of co-thought gestures in physical and virtual problem-solving contexts in relation to working memory load. 16th Biennial Conference EARLI, Cyprus August 25-29th.

Pouw, W. T. J. L., Eielts*, C., Van Gog, T., Zwaan, R.A., & Paas, F. (2015). When gestures are put into thought: the role of co-thought gestures, working memory, and difficulty in problem solving. 8th Cognitive Load Theory Conference, Colorado, June 15th-17th.

2014

Pouw, W. T. J. L.*, Van Gog, T., Zwaan, R.A., & Paas, F. (2014). Instructional Manipulatives for Learning Concrete and Abstract Content: An Embodied Interaction (Re)View. Presentation in the symposium "Theoretical Perspectives and Empirical Evidence Relevant to Classroom Instruction with Manipulatives", AERA Annual Meeting, Philadelphia, April 3-7th.

Pouw, W. T. J. L.*, Van Gog, T., Zwaan, R.A., & Paas, F. (2014). Embedded Embodied Cognition: a Review on Manipulatives and Gesture. Invited presentation, Bakker, M. F. van der Schaaf, S. Shayan, & P. Leseman (symposium Chairs & Organizers), *Embodied cognition in education and training*. Freudenthal Institute for Science and Mathematics Education. Utrecht University, The Netherlands, June 23, 2014.

Pouw, W. T. J. L.*, Van Gog, T., Zwaan, R.A., & Paas, F. (2014). Augmenting instructional animations with sensori-motor information. Poster Presented at the 6th conference of the international society for gesture studies, San Diego, July 7th till July 11th.

2013

Pouw, W. T. J. L.*, Eielts, C.*, Van Gog, T., Zwaan, R.A., & Paas, F. (2013). Embodied Know-How: Does motor-involvement promote learning outcomes in science education. Work-in-progress Poster Presented at the *7th international conference on tangible, embedded and embodied interaction*, Barcelona, February 10-13th, 2013.

2012

Van Stekelenburg, J.* , Petrovic, I. , **Pouw, W. T. J. L.**, Limburg, N. and Nederlof, N. , 2012-07-06 "The Evolution of Collective Action in Developing Neighborhoods". *Paper presented at the annual meeting of the ISPP 35th Annual Scientific Meeting, Mart Plaza, Chicago, IL*

2011

Ijzerman, H., Gallucci, M., & **Pouw*, W. T. J. L.**, Van Doesum, N. J., Vetrova, M., Williams, K. D. (2011). Understanding relations through experience: Social exclusion leads to lower bodily temperatures. Presented at General meeting of the European Association for Social Psychology, Stockholm, Sweden, July 13th, 2011.

Van Leeuwen*, E., Grabo, A., & **Pouw, W. T. J. L.** (2011). Dealing with deviants. Presented at 13th Jena workshop on Intergroup Processes, Friedrich Schiller University Jena, July 6th, 2011.

Van Stekelenburg, J., **Pouw*, W. T. J. L.**, Petrovic*, I., Limburg*, N., & Tessel, P. (2011). Evolution of protest in developing neighborhoods. Presented at the VU Network Institute symposium, May 13th, 2011.

2010

Pouw, W. T. J. L.*, Van Doesum, N. J.*, Vetrova, M., Wei ßgerber, C. S. & Ijzerman, H. (2011). De Fysieke Representatie van Sociale Relaties: Buitensluiting en Lichaamstemperatuur. Presented at the Annual ASPO conference, Enschede, The Netherlands, December 9th, 2010.

Last Updated August 2018

Other Materials

Pouw, W., Flore, P. C., and Ijzerman, H. (2012). Measuring Temperature with the iButton – a Quick Guide. Available at: https://www.academia.edu/1557698/Measuring_Temperature_with_the_iButton_-_A_Quick_Guide

Symposia Organization

2015

Human Movement Skills: Learning, Cognition, Health organized by Pouw, W. T. J. L., & Paas, F., 26th of May 2015, University of Wollongong (Early Start Research Institute). Among Speakers: Tony Okely, Hana Buriánova, Lars Marstaller, Daniel D. Hutto.

Memberships

International Society for Gesture Studies

Other

Vice-Chairman Students' union SRVU (2010-2011)

Book reviewer In-Mind.org (2011-2012)

Languages

Dutch, native

English, fluent