

Prof. Dr. Volker Thoma

Wissenschaftliche Projekte

- | |
|---|
| Investigating Institutional Investors' Decision-Making (with City University of London) gefördert durch [Institute and Faculty of Actuaries (UK) mit einer Gesamtsumme von £ 199,995 GBP; Ko-Leitung des Projekts |
| Neuromodulation, cognitive processing and behavioural inhibition in problem gambling, GambleAware UK, 102738 GBP, Projektleitung |
| Decision-making and expertise in web development teams, Amberlight Partners Ltd. (London), 4300 GBP, Projektleitung |

Gesamtliste wissenschaftlicher Publikationen

1) Bücher (Buchkapitel)

- Thoma, V., & Dodd, J. (2019). Eye-tracking in user experience research. In: U. Ettinger, C. Klein (Eds.). An introduction to the scientific foundations of eye movement research and its applications. Springer, Berlin.
- Thoma, V. (2013). Cognitive Psychology. In Bayne, & R., Jinks, G. (eds.) Applied Psychology: Current Issues and new directions. (pp. 198 - 212). Sage, London.
- Thoma, V. & Davidoff, J. (2007). Object Recognition: Attention and Dual Routes. In: N. Osaka, I. Rentschler & I. Biederman (eds.) Object Recognition, Attention & Action. (pp. 141-157). Springer, Tokyo.
- Nissler J., & Thoma V. (1999). Gestaltung von Software-Agenten aus Sicht des Benutzers. In: Arend, U., Eberleh, E. & Pitschke, K. (Eds.), *Software Ergonomie '99 - Design von Informationswelten* (pp. 215-226). Teubner Verlag, Wiesbaden, Germany.

2) Aufsätze in Fachzeitschriften (mit Peer Review)

- Newall, P.W.S., Weiss-Cohen, L., Thoma, V, Ayton, P. (2022). Differences amongst estimates of the UK problem gambling prevalence rate are partly due to a methodological artefact. *Int J Ment Health Addiction*.
<https://doi.org/10.1007/s11469-022-00877-z>
- Rodway, P., Thoma, V., & Schepman, A. (2022). The effects of sex and handedness on masturbation laterality and other lateralized motor behaviours. *Laterality*, 27(3), 324-352.
<https://doi.org/10.1080/1357650X.2021.2006211>
- Thoma, V., Rodway, P., & Tamlyn, G. (2021). Gut thinking and eye tracking: evidence for a central preference heuristic. *Journal of Cognitive Psychology*. 33(8), 919-930.
<https://doi.org/10.1080/20445911.2021.1969942>
- Weiss-Cohen, L., Ayton, P., Clacher, I., & Thoma, V. (2021). Pension scheme trustees as surrogate decision makers. *Financial Research Letters*. <https://doi.org/10.1016/j.frl.2021.102043>
- Thoma, V., Weiss-Cohen, L., Filukova, P., & Ayton, P. (2021). Cognitive predictors of precautionary behaviour during the COVID-19 pandemic. *Frontiers in Psychology*, 12, 325.
<https://doi.org/10.3389/fpsyg.2021.589800>
- Anderson, I. and Thoma, V. (2020). The edge of reason: A thematic analysis of how professional financial traders understand analytical decision making. *European Management Journal*.
<https://doi.org/10.1016/j.emj.2020.08.006>
- Gonzalez-Perez, M., Wakui, E., Thoma, V., Nitsche, M. A., & Rivolta, D. (2019). Transcranial alternating current stimulation (tACS) at 40 Hz enhances face and object perception. *Neuropsychologia*, 107237.
<https://www.ncbi.nlm.nih.gov/pubmed/31655161>
- Gomis-Vicent, E., Thoma, V., Turner, J. J., Hill, K. P., & Pascual-Leone, A. (2019). Non-invasive brain stimulation in behavioral addictions: insights from direct comparisons with substance use disorders. *The American journal on addictions*. <https://repository.uel.ac.uk/item/8707w>

- Spiller, M., Harkry, L., McCullagh, F., Thoma, V., & Jones, C. (2019). Exploring the relationship between grapheme colour-picking consistency and mental imagery. *Philosophical Transactions B: Biological Sciences*, In-Press. <https://repository.uel.ac.uk/item/843q3>
- Weiss-Cohen, L., Ayton, P., Clacher, I., Thoma, V. (2019). Behavioral biases in pension fund trustees' decision making. *Review of Behavioral Finance*. <https://doi.org/10.1108/RBF-05-2018-0049>
- Broyd, A., Ettinger, U., & Thoma, V. (2019). Thinking dispositions and cognitive reflection performance in schizotypy. *Judgment and Decision Making*, 14(1), 80-90. <http://journal.sjdm.org/vol14.1.html>
- Thoma, V., & Patsalos, O. (2019). Water Supplementation after dehydration increases judgment and decision-making performance. *Psychological Research*. 84, 1223–1234. <http://doi.org/10.1007/s00426-018-1136-y>
- Jones, A., & Thoma, V. (2019). Determinants for successful Agile collaboration between UX designers and software developers in a large organisation. *International Journal of Human Computer Interaction*, 35 (20), 1914-1935. <https://doi.org/10.1080/10447318.2019.1587856>
- Edgcumbe, D.R., Thoma, V., Rivolta, D., Nitsche, M.A., Fu, C.H.Y (2019). Anodal transcranial direct current stimulation over the right dorsolateral prefrontal cortex enhances reflective judgment and decision-making. *Brain Stimulation*. <https://doi.org/10.1016/j.brs.2018.12.003>
- Thoma, V., & De Fockert, J.W. (2018). Three-quarter views of depth-rotated faces induce face-specific capacity limits in visual search. *Experimental Psychology*, 65(6), 360–369. <https://doi.org/10.1027/1618-3169/a000421>
- Gosling, A.*, Thoma, V.*, De Fockert, J.W., Richardson-Klavehn, A. (2016). Event-Related Potential Effects of Object Repetition Depend on Attention and Part-Whole Configuration. *Frontiers in Human Neuroscience*, 10. <https://doi.org/10.3389/fnhum.2016.00478> (*equal contribution)
- Wakui, E., Thoma, V., De Fockert, J.W. (2016). View-sensitive ERP repetition effects indicate automatic holistic processing of spatially unattended objects. *Neuropsychologia*, 89, 426–436
- Rodway, P., Schepman, A., & Thoma, V. (2016). Reachability does not explain the middle preference: a comment on Bar-Hillel (2015; Position Effects in Choice From Simultaneous Displays: A Conundrum Solved. *Perspectives on Psychological Science*, 10(4): 419-433). *i-Perception*.1-5
- Thoma, V. White, E., Panigrahi, A., Strowger, V., Anderson, I. (2015). Good thinking or gut feeling? Cognitive reflection and intuition in traders, bankers and financial non-experts. *PLoS ONE* 10(4):e0123202. <doi:10.1371/journal.pone.0123202>
- Guggenmos, M., Thoma V., Haynes J-D., Richardson-Klavehn, A., Cichy, R.M., Sterzer P., (2015). Spatial attention enhances object coding in local and distributed representations of the lateral occipital complex. *NeuroImage*, 149–157. <doi:10.1016/j.neuroimage.2015.04.004>.
- Stein, T.*, Thoma, V.*, Sterzer, P. (2015). Priming of object detection under continuous flash suppression depends on attention but not on part-whole configuration. *Journal of Vision*. 15(3):15, 1-11. (*equal contribution)
- Guggenmos, M., Thoma V., Cichy, R.M., Haynes J-D., Sterzer P., Richardson-Klavehn, A. (2015). Non-holistic coding of objects in lateral occipital complex with and without attention. *NeuroImage*, 107, 356-363.
- Kreplin, U., Thoma, V., Rodway, P. (2014). Looking behaviour and preference for artworks: the role of emotional valence and location. *Acta Psychologica*, 152, 00-108.
- Thoma, V. (2014). Face-specific capacity limits under perceptual load do not depend on holistic processing. *Psychonomic Bulletin & Review*. 21(6), 1473-1480.
- Thoma, V. & Williams, A. (2013). The devil you know: The effect of brand recognition and product ratings on consumer choice. *Judgment and Decision Making*. Vol. 8, 34 – 44.
- Thoma, V., & Lavie, N. (2013). Perceptual load effects on processing distractor faces indicate face specific capacity limits. *Visual Cognition*, 21(8), 1053–1076.
- Thoma, V., Henson, R.N. (2011). Object representations in ventral and dorsal visual streams: fMRI repetition effects depend on attention and part-whole Configuration. *NeuroImage*, 57, 513-525.

Wissenschaftlicher Lebenslauf

- Thoma, V., White, E.P. (2011). In two minds about usability? Rationality and intuition in usability evaluation. *Lecture Notes in Computer Science*, 6946, pp. 544–547.
- Lavie, N., Zokai, N., Zhicheng, L., Thoma, V. (2009). The role of perceptual load in object recognition. *Journal of Experimental Psychology: Human Perception and Performance*, 35 (5), 1346-1358.
- Thoma, V., Williams, B. (2009). Developing and validating personas in e-commerce: A heuristic approach. *Lecture Notes in Computer Science*, 5727, pp. 524–527.
- Thoma, V., Davidoff, J., & Hummel, J.E. (2007). Priming of plane-rotated objects depends on attention and view familiarity. *Visual Cognition*, 15(2), 179-210.
- Thoma, V., & Davidoff, J. (2006). Priming of depth-rotated objects depends on attention and part changes. *Experimental Psychology*, 53(1), 31-47.
- Schott, B.H., Henson, R., Richardson-Klavehn, A., Becker, C., Thoma, V., Rotte, M., Heinze, H.J., & Düzel, E. (2005). Neuroanatomical dissociation of intention and awareness in implicit and explicit memory. *Proceedings of the National Academy of Sciences*, 102, 1257-1262.
- Thoma, V., Hummel, J.E., & Davidoff, J. (2004). Evidence for holistic representation of ignored images and analytic representation of attended images. *Journal of Experimental Psychology: Human Perception and Performance*, 30 (2), 257-267.

3) Aufsätze in anderen Publikationsorganen (z. B. Fachzeitschriften ohne Peer Review, Sammelbände)

- Thoma, V. (2010). Review of 'On the origins of cognitive science': The mechanization of mind by Jean-Pierre Dupuys. *History & Philosophy of Psychology*, Vol. 12(1), 78-81.

4) ggf. Aufsätze in Transfer- und Publikumszeitschriften

- Ayton, P., Clacher, I., Weiss-Cohen, L., Strong, C., & Thoma, V. (2021, April 9). Heuristics and bias in trustee decision-making. *Pension Aspects*, 34, 29-30.
- Thoma, V. (2016, September 28). How the human brain can register information without conscious attention. *The Conversation*, bit.ly/2cZE1XS

Vorträge

- Thoma, V. & Edgcumbe, D. (2021, November). Non-invasive brain stimulation of right dorso-lateral prefrontal cortex enhances cognitive reflection performance. Talk at Psychonomics 2021 – Psychonomic Society 62nd Annual Meeting, (online), USA.
- Thoma V. (2021, March). Non-invasive brain stimulation of right dorso-lateral prefrontal cortex enhances cognitive reflection performance. In U. Ettinger and V. Thoma (Chairs). Mechanisms and Modulation of Inhibition and Impulsivity. Paper presented at TEAP-The Experimental Approach to Psychology, Ulm (online), Germany.
- Thoma, V. (2019, August). Central preference of consumer items and eye-tracking: Evidence for a central preference heuristic but not gaze cascade effects. Paper presented at the Subjective Probability, Utility and Decision Making Conference SPUDM 27, Amsterdam, The Netherlands.
- Thoma, V., Edgcumbe, D., Rivolta, D., Nitsche, M.A., Fu, C.H.Y. (2018, November). The effect of transcranial direct current stimulation of the right dorsolateral prefrontal cortex on cognitive reflection. Poster presented at the annual conference of the Society for Judgment and Decision-making. New Orleans, USA.
- Weiss-Cohen, L., Ayton, P., Clacher, I., Thoma, V. (2018, November). Can we trust the trustees? Behavioral finance biases in pension trustees' decision making. Poster presented at the annual conference of the Society for Judgment and Decision-making. New Orleans, USA.
- Thoma, V., Patsalos, O., Edmonds, C. (2017, August). *Water supplementation increases performance in judgment and decision making tasks*. Paper presented at the Subjective Probability, Utility and Decision Making Conference SPUDM 26, Haifa, Israel.

Wissenschaftlicher Lebenslauf

- Thoma, V., Wakui, E., Gosling, A. (2017, August). *EEG correlates of attention and object recognition indicate hybrid representation of objects*. Poster presented at European Conference on Visual Perception, Berlin, Germany.
- Thoma V. (2016, May). *Judging risks in different domains: The ratio bias vs construal level theory revisited*. Paper presented at the International Psychonomics Conference, Granada, Spain.
- Thoma, V. (2015, September). *Face-specific capacity limits under perceptual load do not rely on holistic processing*. Paper presented at the meeting of the BPS Cognitive Section, University of Kent.
- Thoma, V. (2015, March). *Face-specific capacity limits in face perception*. In V. Thoma & A. Jansari (Chairs). *Exploring boundaries of face recognition*. Symposium conducted at the Conference for Integrative Psychological Science, Amsterdam, The Netherlands.
- Thoma, V., Wakui, E. (2014, September). *ERP repetition effects indicate processing of unattended objects under load*. Paper presented at the meeting of the British Association of Cognitive Neuroscience. September 2014, York, UK
- Guggenmos, M., Cichy, R., Richardson-Klavehn, A., Haynes, J. D., Sterzer, P., & Thoma, V. (2013). *Neural correlates of structural and holistic object representations in dependence of attention*. ECVF, Bremen, Germany / *PERCEPTION*, Vol. 42, p. 62.
- Thoma, V. (2013, August). *Will you still feed me? The ratio bias vs construal level theory revisited in different risk domains*. Paper presented at SPUDM 24. August 2013, Barcelona, Spain.
- Thoma, V., Wakui, E. (2013, May). *ERP correlates of perceptual load and view change during the recognition of unattended objects*. Paper presented at the meeting of the British Association of Cognitive Neuroscience. Nottingham, UK
- Kreplin, U., Thoma, V., Rodway, P. (2013, April). *The influence of location on preference for artworks*. Paper presented at TEAP-The experimental approach to Psychology Conference. Vienna, Austria
- Müller, K., Thoma, V., Pawson, C. (2012, October). *Live e-learning: An evaluation of online synchronous communication tools in the academic context*. Paper presented at the University of East London Learning and Teaching Conference. 2012, London.
- Thoma, V. (2012). *I want that one! The influence of product ratings and location on consumer preference*. Paper presented at the UEL Research & Knowledge Exchange Conference. London, UK.
- Thoma, V., Williams, A. (2012, April). *Not the devil you know: Recognition heuristic in consumer choice*. Paper presented at TEAP: The experimental approach to Psychology Conference. Mannheim, Ger.
- Lavie, N., Thoma, V. (2012, April). *Perceptual Load Effect Indicate Face-Specific Capacity Limits*. Poster presented at TEAP: The experimental approach to Psychology Conference. Mannheim, Germany

Preise, Stipendien und Ehrungen

Research Fellow DAAD - Förderung zum Forschungsaufenthalt an der University of California Los Angeles (£ 3000)

Goldsmiths University London , PhD Stipendium (3 Jahre)