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## Publications

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**Ernst, B.** & Steinhauser, M. (under revision). Effects of feedback reliability on feedback-related brain activity: A feedback valuation account. *Cognitive, Affective and Behavioral Neuroscience*.

Steinhauser, M., Maier, M. E., & **Ernst, B.** (2017). Neural correlates of reconfiguration failure reveal the time course of task-set reconfiguration. *Neuropsychologia*, *106*, 100-111.

**Ernst, B.**, Reichard, S. M., Riepl, R. F., Steinhauser, R., Zimmermann, S. F., & Steinhauser, M. (2017). The P3 and the subjective experience of time. *Neuropsychologia*, *103*, 12-19.

**Ernst, B.** & Steinhauser, M. (2017). Top-down control over feedback processing: The probability of valid feedback affects feedback-related brain activity. *Brain and Cognition*, *115*, 33-40.

Steinhauser, M., **Ernst, B.**, & Ibal, K. W. (2017). Isolating component processes of post-error slowing with the psychological refractory period paradigm. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *43*, 653-659.

**Ernst, B.** & Steinhauser, M. (2015). Effects of ambiguous feedback on learning and feedback-related brain activity. *Brain and Cognition*, *99*, 78-86.

**Ernst, B.** & Steinhauser, M. (2012). Feedback-related brain activity predicts learning from feedback in multiple-choice testing. *Cognitive, Affective and Behavioral Neuroscience*, *12*, 323-336.

## Citable Abstracts:

**Ernst, B.** & Steinhauser, M. (2017). *Norepinephrine and the subjective experience of time: P3 amplitude and pupil dilation predict temporal overestimation*, Society of Psychophysiological Research, 57<sup>th</sup> Annual Meeting, Vienna, Austria [Poster and presentation in the symposium "Current attempts at understanding P3b's function"].

- Wurm, F., **Ernst, B.**, & Steinhauser, M. (2017). *Learning under uncertainty: Neural markers of model-based and model-free learning in probabilistic environments*, Society of Psychophysiological Research, 57<sup>th</sup> Annual Meeting, Vienna, Austria [Poster].
- Sailer, K., Steinhauser, R., **Ernst, B.**, Maier, M. E., & Steinhauser, M. (2017). *Neural correlates of error processing in a non-motor Simon task*, Society of Psychophysiological Research, 57<sup>th</sup> Annual Meeting, Vienna, Austria [Poster].
- Ernst\***, **B.**, & Sirrenberg\*, M. (2017). *Perception of distributive justice is context-dependent as revealed by the N400 effect and behavioral data*. Cognitive Neuroscience Society, 24<sup>th</sup> Annual Meeting, San Francisco, USA [Poster]. \*shared first authors
- Ernst, B.**, Reichard, S. M., Riepl, R. F., Steinhauser, R., Zimmermann, S. F., & Steinhauser, M. (2016). *Neural correlates of temporal overestimation*. 58. Tagung experimentell arbeitender Psychologen, Heidelberg [Presentation].
- Ernst, B.**, Wurm, F., & Steinhauser, M. (2016). *Top-down effects on feedback processing: Effects of feedback validity on feedback-locked event-related potentials*. Cognitive Neuroscience Society, 23<sup>rd</sup> Annual Meeting, San Francisco, USA [Poster].
- Ernst, B.**, Reichard, S. M., Riepl, R. F., Zimmermann, S. F., & Steinhauser, M. (2015). *The P300 amplitude predicts temporal dilation in an oddball task*. Cognitive Neuroscience Society, 22<sup>nd</sup> Annual Meeting, San Francisco, USA [Poster].
- Steinhauser, M., Maier, M. E., & **Ernst, B.** (2015). *Neural correlates of reconfiguration failure reveal the time course of task-set reconfiguration*. Cognitive Neuroscience Society, 22<sup>nd</sup> Annual Meeting, San Francisco, USA [Poster].
- Ernst, B.** & Steinhauser, M. (2015). *The effect of uncertain feedback on learning and feedback-related brain activity*, 57. Tagung experimentell arbeitender Psychologen, Hildesheim [Presentation].
- Ernst, B.** & Steinhauser, M. (2013). *Feedback novelty affects the feedback-related negativity and the feedback-P300*, Society of Psychophysiological Research, 53<sup>rd</sup> Annual Meeting, Florenz, Italien [Poster].
- Ernst, B.** & Steinhauser, M. (2013). *Feedback novelty affects the feedback-related negativity and the feedback-P300*, 55. Tagung experimentell arbeitender Psychologen, Vienna, Austria [Presentation].
- Ernst, B.** & Steinhauser, M. (2012). *Effect of feedback validity on learning and feedback-related brain activity*, 54. Tagung experimentell arbeitender Psychologen, Mannheim [Presentation].
- Ernst, B.** & Steinhauser, M. (2011). *Effects of ambiguous feedback on learning and feedback-related brain activity*. Cognitive Neuroscience Society, 18<sup>th</sup> Annual Meeting, San Francisco, USA [Poster].
- Ernst, B.** & Steinhauser, M. (2011). *Die Auswirkung ambivalenten Feedbacks auf das Lernen und feedbackbezogene Hirnaktivität*, 53. Tagung experimentell arbeitender Psychologen, Halle (Saale), [Presentation].

**Ernst, B.** & Steinhauser, M. (2010). *Elektrophysiologische Befunde zur Grundlage des Errorless Learning Benefits*, 52. Tagung experimentell arbeitender Psychologen, Saarbrücken [Presentation].

**Ernst, B.** & Steinhauser, M. (2009). *What Causes the Errorless Learning Benefit? Evidence from Feedback-Related Brain Activity*. Society of Psychophysiological Research, 49<sup>th</sup> Annual Meeting, Berlin [Poster].

**Ernst, B.**, Achtziger, A. & Gollwitzer, P.M. (2009). *Volition und Aufmerksamkeit: Die Wirkung von Vorsätzen im Attentional Blink*, 51. Tagung experimentell arbeitender Psychologen, Jena [Poster]

## **Ad-hoc Reviewer**

Advances in Cognitive Psychology, Applied Cognitive Psychology, Biological Psychology, Brain and Cognition, Frontiers in Aging Neuroscience, Frontiers in Psychology, NeuroImage