Emma E.M. Stewart, PhD

CURRICULUM VITAE

Office Address	Emma E.M. Stewart Justus-Liebig University Giessen Department of Psychology Otto-Behaghel-Str. 10 35394 Giessen (Germany)		Phone: Pho Email: emn	one:+49 (0)641 99 26232 na.e.m.stewart@gmail.com v.emmaemstewart.com	
Personal information	DOB: 24.11.1986 Nationality: Australia, United Kingdom, Canada				
Research interests	Visual perception; Eye-movements; Perceptual confidence and metacognition; Peripheral and foveal vision; Perception of 3D object structure; Uncertainty and inference in perception and oculomotor planning				
Research methods	Psychophysics; Eye-tracking; Computational modelling; Multi-level statistical modelling				
Education 2016 PhD in Medicine (Psychology). University of		f Adelaide, Australia			
		Thesis:	A journey through time and profile of attention relative	d space: the spatiotemporal et a saccade and reach.	
		Supervisors:	Prof Anna Ma-Wyatt and A Burns	/Prof Nicholas	
	2013	Bachelor of Laws. University of Adelaide, Australia			
	2009	Bachelor of Health Sciences (Honours, 1 st class). University of Adelaide, Australia			
		Thesis:		ion is enough? The effects of isual information available during	а
		Supervisor:	Prof Anna Ma-Wyatt		
	2008	Bachelor of Arts (Psychology). University of Adelaide, Australia Including international exchange to McGill University, Canada (Jan-Dec, 2008))
	2008	Diploma of Languages (French). University of Adelaide, Australia Including Cpéderf French language training program, France (Jan-Feb, 2007)			
Academic track	2021 - present	Justus-Liebig-Universität Giessen, Germany. Principal investigator (German Research Council Project Grant 460533638) Lab head: Prof. Dr. Roland Fleming			
	2016-2021	Philipps-University Marburg, Germany. Post-doctoral research scientist. Lab head: Prof. Dr. Alexander Schütz			
	2015-2016	Research Assistant. School of Medicine, University of Adelaide, Australia.			
Funding	2021- 2024	Council; DFG), principal inves Title: Do infere	chungsgemeinschaft (Germar research grant (temporary po tigator). Grant number 46053 nces drawn from object prope ng and perceptual updating?	osition as 33638	

Honours and awards	2020	FoVea (Females of Vision et al) Travel & Networking award	1600 USD	
	2010-2015	Australian Postgraduate Award	24,000 AUD/ year	
	2012	Faculty of Health Sciences Postgraduate Travel Award	1500 AUD	
	2011	Walter and Dorothy Duncan Trust Travel Grant	750 AUD	
LIST OF PUBLICATIONS				
Review papers (peer- reviewed)		art, E.E.M., Valsecchi, M., & Schütz, A.C. (2020). A review of intender heral and foveal vision. <i>Journal of Vision</i> , 20(12), 2.	eractions between	
Journal Articles (peer-reviewed)	R. W.	art, E. E. M., Hartmann, F. T., Morgenstern, Y., Storrs, K. R., Maie (2022). Mental object rotation based on two-dimensional visua ant Biology, 32(21), R1224–R1225.		
	(2022 Persc Rand 4. Goett depe	c. E., Crutzen, R., Stewart, E. E. M., O'Rielly, J., Dry, M., Skuse, P.). Exploring the Interplay Between Message Format, Need for Conal Relevance on Processing Messages About Physical Activity: omized Experimental Trial. <i>International Journal of Behavioral N</i> tker, A., and Stewart, E.E.M. (2022). Serial dependence for ocula nds on early sensory signals, <i>Current Biology</i> . 32(13), 2956-2961 act. E.E.M. Ludwig, C.L.L. & Schütz, A.C. (2022). Lumpage representation of the sensory signals.	Cognition and a Two-Arm <i>Aedicine,</i> 1-14. omotor control L.	
	and u 6. Stew displa	art, E.E.M., Ludwig, C.J.H., & Schütz, A.C. (2022). Humans repre atility of information acquired across fixations. <i>Scientific Reports</i> art, E.E.M., Hübner, C., & Schütz, A.C. (2020). Stronger saccadic acement and blanking effect in children. <i>Journal of Vision</i> , 20(10 art, E.E.M., & Schütz, A.C. (2019). Transsaccadic integration ben	. 12, 2411. suppression of)), 13.	
	 to the saccade target. <i>Journal of neurophysiology</i>, 122 (4), 1491-1501. 8. Stewart, E.E.M., Verghese, P., & Ma-Wyatt, A. (2019). The spatial and temporal properties of attentional selectivity for saccades and reaches. <i>Journal of Vision</i>, 19(9):12. 9. Stewart, E.E.M., & Schütz, A.C. (2019). Trans-saccadic integration is dominated by early, 			
	inder 10. Stew	pendent noise. <i>Journal of Vision,</i> 19(6):17. art, E.E.M., & Schütz, A.C. (2018). Optimal trans-saccadic integr		
	11. Stew	l working memory. <i>Vision research</i> , 153, 70-81. art, E.E.M., & Schütz, A.C. (2018). Attention modulates trans-sa n research, 142, 1-10.	ccadic integration.	
	12. Stew locati	art, E.E.M., & Ma-Wyatt, A. (2017). The profile of attention difference on sorthogonal to and in line with reach direction. <i>Attention, Petrophysics</i> , 79(8), 2412-2423.		
	13. Stew	art, E.E.M., & Ma-Wyatt, A. (2015). The spatiotemporal characterional shift relative to a reach. <i>Journal of Vision</i> 15(5):10.	eristics of the	
Conference talks	infori	art, E.E.M., Ludwig, C., & Schütz, A.C. (2021). Humans retain a r nation acquired across fixations. <i>EPC (The Australasian Experim</i> ty Conference), Australia.	•	
	perce	art, E.E.M., & Schütz, A.C. (2019). On the relationship between eptual confidence. <i>European Conference on Eye Movements, Ali</i> art, E.E.M., & Schütz, A.C. (2018). Mechanisms underlying trans	cante, Spain.	
	integ Germ	ration. German Conference of Experimental Psychologists (TeaP, any.), Marburg,	
	atten	art, E.E.M. & Ma-Wyatt, A (2014). The spatiotemporal character tional shift relative to a goal directed movement. <i>Australasian I</i> ty Meeting – ANS Vision Satellite Meeting.		
Conference posters	discri	art, E.E.M., Wagner, I., Schütz, A.C., & Fleming, R.W. (2022). 3D minability influences target-selection for saccades. <i>European Co</i> ements (ECEM), Leicester, UK.		
	2. Stew objec	art, E.E.M., Hartmann, F.T., & Fleming, R.W. (2022). Viewpoint sits predicted by image-plane position shifts. <i>Vision Sciences Soci</i>	•	
		<i>la, USA.</i> art, E.E.M., & Schütz, A.C. (2021). Updating across saccades dep	pends on	

	eccentricity and predictability. Journal of Vision, 21(9), 2038.
4.	Stewart, E.E.M., Ludwig, C., & Schütz, A.C. (2020). Humans are more confident for items
	they have fixated before. <i>Journal of Vision</i> , 20(11), 246.
5.	Stewart, E.E.M., & Schütz, A.C. (2019). Transsaccadic integration occurs across the visua
	field. Journal of Vision, 19(10), 238b.
6.	Stewart, E.E.M., & Schütz, A.C. (2018). The time-course of trans-saccadic
	integration. Journal of Vision, 18(10), 1004.
7.	Stewart, E.E.M., & Schütz, A.C. (2017). Visual working memory aids trans-saccadic
	integration. European Conference on Eye Movements, Wuppertal, Germany
8.	Stewart, E.E.M., & Schütz, A. C. (2017). Distracting attention impairs trans-saccadic
	integration. Journal of Vision, 17(10), 1163.
9.	Stewart, E.E.M. & Ma-Wyatt, A. (2012). The temporal profile of attention in a reaching
4.0	task shifts with a concurrent reach. <i>Journal of Vision</i> , 12(9), 419.
10.	Stewart, E.E.M. & Ma-Wyatt, A. (2011). Target visibility throughout the reach affects
	overall movement performance. Australian Journal of Psychology, EPC Conference
	Proceedings.
s 10.2	019- University of Bristol, Department of Psychological Sciences, United Kingdom.

TEACHING COMPETENCE AND EXPERIENCE

Justus-Liebig University Giessen	2022	Seminar: Sensation and perception Ad-hoc lecturer (5 sessions, 120 min each, bachelor level)
Philipps-University Marburg	2020-2021	Seminar: Visual Perception Lecturer (12 sessions, 120 min each, bachelor level, online)
	2020-2021	Experimental practical course Teaching support (creating experimental materials and analyses)
University of Adelaide	2015	Lecture on key concepts in cognitive psychology Guest lecturer, South Australian Psychiatry Training Committee (2 hours, graduate level) Foundations of Perception and Cognition Tutorial instructor (16 sessions, 60 min each, second year)
	2014	Perception and Cognition Tutorial instructor (16 sessions, 60 min each, third year) Foundations of Perception and Cognition Tutorial instructor (16 sessions, 60 min each, second year) Ad-hoc marking: Doing research in Psychology (first year)
	2013	Perception and Cognition Tutorial instructor (10 sessions, 60 min each, third year) Foundations of Perception and Cognition Tutorial instructor (16 sessions, 60 min each, second year) Ad-hoc marking: Research methods in Psychology (first year)
	2012	Perception and Cognition Tutorial instructor (16 sessions, 60 min each, third year) Foundations of Perception and Cognition Tutorial instructor (16 sessions, 60 min each, second year) Ad-hoc marking: Research methods in Psychology (first year)
	2011	Foundations of Perception and Cognition Tutorial instructor (16 sessions, 60 min each, second year)
	2010	Foundations of Health and Lifespan Development Tutorial instructor (16 sessions, 60 min each, second year) Individual differences, Personality and Assessment Tutorial instructor (16 sessions, 60 min each, third year)

SUPERVISION

Bachelor thesis co-supervision (Equivalent Australian honours)	2022 2021 2019 2019	 Sven Schmidt, undergraduate, Justus-Liebig University Giessen, Germany Max Pohl, undergraduate, Justus-Liebig University Giessen, Germany Josefine Tuppi, undergraduate, Philipps-University Marburg, Germany Sascha Brusius, undergraduate, Philipps-University Marburg, Germany
Master's thesis co-supervision	2019	Nino Sharvashidze, master's student, Philipps-University Marburg, Germany
Research assistants	21-22 18-19 18-20	Kieran Pang, graduate from Justus-Liebig University Giessen, Germany Emilio Gärtner, graduate from Justus-Liebig University Giessen, Germany Rukiye Nihal Saglam, undergraduate from Justus-Liebig University Giessen, Germany Andre Gomes, undergraduate from Justus-Liebig University Giessen, Germany Pauline Karle, undergraduate from Justus-Liebig University Giessen, Germany Hannah Walter, undergraduate from Philipps-University Marburg, Germany Lena Weinart, undergraduate from Philipps-University Marburg, Germany Andreas Wilms, undergraduate from Philipps-University Marburg, Germany

PROFESSIONAL SERVICES

Organisation of conferences, workshops, symposia, and events	2023	Uncertainty in sensory processing and action control Three-day workshop at Castle Rauischholzhausen. Organiser, together with Alexander Goettker and Bianca Balteratu
	2022	How we make saccades: selection, control, integration Symposium at the Vision Sciences Society Conference (VSS), Florida, USA Organiser, together with Bianca Balteratu
	2018	Perceptual stability Symposium at the German Conference of Experimental Psychologists (TeaP), Marburg, Germany Organiser, together with Alexander Schütz
	2012-2016	Brain and Cognition Unit Seminar Co-ordinator School of Psychology, University of Adelaide
	2014-2015	Tri-University Distinguished Guest Speaker Dinner Joint event between University of Adelaide, Flinders University, and Uni SA Organising committee
	2013	40th Australasian Experimental Psychology Conference (EPC) Student representative on the organising committee
Committee work and service	2022-2023	Hiring committee for new professors Justus-Liebig University Giessen, Germany
	2013-2015	President and founder, Health Sciences Postgraduate Association Faculty of Health Sciences, University of Adelaide, Australia
	2013-2015	Higher Degrees Committee (Committee member) Faculty of Health Sciences, University of Adelaide, Australia
	2011-2015	Higher Degrees by Research Committee (Student Representative) School of Psychology, University of Adelaide
	2011-2015	Research Committee (Committee member) School of Psychology, University of Adelaide
Peer-reviewing (manuscripts)	Journal of Vision; Nature Scientific Reports; Cortex; Nature Scientific Data; Journal of Experimental Psychology (General); Biological Cybernetics	

Peer-reviewing (conferences)	European Conference on Eye Movements (ECEM) 2017, 2019; German Conference of Experimental Psychologists (TeaP), 2017. Feature Editor: Journal of Vision special issue "Uncertainty in sensory processing and action control"		
Editorial work			
Public outreach	2013	I'm a scientist, get me out of here! Australia (Runner-up) Science communication competition, aimed at promoting science to middle school children.	
	2011-2012	School of Psychology Representative, University of Adelaide Open Day	