



APPLIED VISION
ASSOCIATION

AVA Xmas 2020 Meeting
Monday 21st December 2020

Programme and Schedule

#AVA2020

#AVA2020Xmas

#AVAReadOfThis

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ava2020meeting.wordpress.com

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Schedule

Time	Session Details
10:00-11:00 (GMT)	10:00-10:30 - AVA Keynote Deep neural networks: A new framework for understanding biological vision? <i>Professor Charles Leek, University of Liverpool</i>
	10:30-10:45 The time-course of single-view depth discrimination for real-world scenes <i>Matt Anderson, Centre for Perception and Cognition, Psychology, University of Southampton</i>
	10:45-11:00 The influence of partial occlusion on shape recognition <i>Dr Gunnar Schmidtman, Eye & Vision Research Group, University of Plymouth</i>
11:15-12:00 (GMT)	11:15-11:30 Cortical responses to symmetry: source localisation of the sustained-posterior negativity <i>Dr John Tyson-Carr, University of Liverpool</i>
	11:30-11:45 Investigating sound content in the early visual cortex of aphantasia participants <i>Belén Montabes de la Cruz, School of Psychology, University of Glasgow</i>
	11:45-12:00 Unpacking the photic sneeze reflex <i>Dr Manuel Spitschan, Department of Experimental Psychology, University of Oxford</i>
12:00-12:30 (GMT)	AVA AGM
13:15-13:45 (GMT)	Poster Session 1
13:45-14:15 (GMT)	Poster Session 2

<p>14:30-15:45 (GMT)</p>	<p>14:30-15:00 – GJ Burton Lecture The Development of Colour Perception <i>Professor Anna Franklin, The Sussex Colour Group, University of Sussex</i></p> <p>15:00-15:15 Global motion evoked potentials in autistic and dyslexic children: a cross-syndrome approach <i>Dr Catherine Manning, Department of Experimental Psychology, University of Oxford</i></p> <p>15:15-15:30 The role of hue in the perception of object colours <i>Dr Christoph Witzel, University of Southampton</i></p> <p>15:30-15:45 Predicting visual discomfort from images <i>Professor Arnold Wilkins, Department of Psychology, University of Essex</i></p>
<p>16:00-17:00 (GMT)</p>	<p>16:00-16:15 The effects of carrier spatial frequency and amplitude modulation signal on shape-from-shading depth judgements in older adults <i>Hannah E Broadbent, School of Psychology, University of Nottingham</i></p> <p>16:15-16:30 Effect of ageing of optical elements of the human visual system on its contrast sensitivity <i>Maliha Ashraf, Department of Psychological Sciences, University of Liverpool</i></p> <p>16:30-16:45 Metacognition of emotional facial expression judgements <i>Dr Aurelio Bruno, Department of Psychology, University of York</i></p> <p>16:45-17:00 Is it a bird? Is it a plane? Human recognition of biologically realistic flight <i>Dr Rebecca Lawson, University of Liverpool</i></p>
<p>17:15-19:00 (GMT)</p>	<p>AVA Social Please join us for an informal networking session after the conference closes</p>

Posters

Poster Session 1, 13:15-13:45

Poster #1.1	Visual foraging: feature versus conjunction targets and effects of display segmentation <i>Peter J. Goodwin, Department of Psychology, Nottingham Trent University</i>
Poster #1.2	Can background motion nudge people to social distance? <i>Emily M. Crowe, Department of Human Movement Sciences, Vrije Universiteit Amsterdam</i>
Poster #1.3	Are we practicing cumulative science? An exhaustive analysis of 6674 brain responses from 2215 participants in 40 projects <i>Alexis D.J. Makin, Department of Psychology, University of Liverpool</i>
Poster #1.4	Age related differences in perceived saturation as a function of stimulus size: a comparison of appearance and thresholds <i>Ana Rozman, School of Psychology, University of Aberdeen</i>
Poster #1.5	Distractor suppression is a general mechanism that depends on the presence of multiple feature dimensions <i>Jasna Martinovic, Department of Psychology, University of Edinburgh</i>
Poster #1.6	A novel 'chirp' stimulus protocol for assessing photoreceptor function across wavelength, time and contrast <i>Joel Martin, Institute of Biomedical Engineering, University of Oxford</i>

Poster Session 2, 13:45-14:15

Poster #2.1	Evidence for the intrinsically nonlinear nature of receptive fields in vision <i>Marcelo Bertalmío, Universitat Pompeu Fabra, Barcelona, Catalonia, Spain</i>
Poster #2.2	Visual mechanisms that code inter-interactant distance exhibit psychophysical adaptation <i>Carl Bunce, Department of Psychological Sciences, Birkbeck, University of London</i>
Poster #2.3	Neural responses to symmetry for surfaces defined by binocular disparity <i>Elena Karakashevskva, Department of Psychology, University of Liverpool</i>
Poster #2.4	Mapping stereopsis in the central visual field through use of eye-tracking virtual reality technologies <i>Alex S Baldwin, McGill Vision Research, Department of Ophthalmology & Visual Sciences, McGill University, Montreal, Quebec, Canada</i>
Poster #2.5	Age-related changes in low and mid-level vision: assessing the information degradation and neural inhibition accounts <i>Josephine Reuther, School of Psychology, University of Aberdeen</i>
Poster #2.6	Impact of verbal instructions and object rotation on the perception a shape <i>Līga Zariņa, Laboratory for Perceptual and Cognitive Systems, Faculty of Computing, University of Latvia</i>
Poster #2.7	Does self-movement information influence contrast detection? <i>Martin Bossard, Cardiff University</i>