

1st International symposium on visual physiology, environment, and perception (VisPEP2016)

Programme

Day 1, 6 October, 2016		
	15:00-17:00	Meeting of the organizers
Hall (ground floor)		
16:00-18:00	Registration	
Magnum auditorium		
18:00-18:10	Opening words from the organizers	
18:20-18:30	Opening words from Hoya Eye Care	
18:10-18:20	Opening words from the Baltic-German University Liaison Office	
18:30-19:30	Keynote lecture: Visual Phenomena & Optical Illusions (Michael Bach)	
Hall (first floor)		
19:30-22:00	Welcome reception	

Day 2, 7 October, 2016		
Magnum auditorium		
Session 1: Illusions and environment (A.Bulatov, K.Juraševska)		
9:00-9:20	The after-effects of Müller-Lyer and Ponzo illusions in sensorimotor domain (V.Lyakhovetskii, V.Karpinskaia)	
9:20-9:40	Modelling foveated vision in Matlab image processing (W.B.Kloke)	
9:40-10:00	Motion induced blindness using increments and decrements (W.W.Stine, P.A.Levesque, M.E.Lusignan, A.J.Kitt)	
10:00-10:20	Range of comfortable brightness for self-luminous surfaces in architectural applications (M.Reisinger)	
10:20-10:40	Study of volumetric image depth perception for observing generic volumetric scenes (K.Osmanis, I.Osmanis, G.Valters, M.Narels)	
10:40-11:00	Discussion	
107. auditory		
11:00-11:30	Coffee break	
Magnum auditorium		
11:30-12:30	Keynote lecture: Visual acuity and contrast thresholds – Not trivial to measure (Michael Bach)	
107. auditory		
12:30-13:30	Lunch	
Magnum auditorium		
Poster session 1 (2 min presentations) (S.Fomins)		
13:30-14:00	Influence of discontinuity of filling on the strength of illusion of length (A.Bielevičius, T.Surkys, A.Bertulis, A.Bulatov)	
	Dependence of filled/unfilled illusion magnitude on the completeness of filling (T.Surkys, A.Bulatov, L.Mickienė, I.Daugirdaitė)	
	Oppel-Kundt illusion magnitude changes evoked by the tilting of the filling element (A.Bulatov, T.Surkys, N.Bulatova, P.Šimaitytė)	
	Superposition of differing structures in the Oppel-Kundt stimuli (A.Bertulis, T.Surkys, A.Bulatov, J.Loginovič)	
	Chromatic sensitivity evaluation with static and dynamic color vision stimuli (R.Trukša, K.Juraševska, A.Livzāne)	
	Metameric light sources: a recent paradigm for functional lighting (A.Petrulis, P.Vitta, R.Vaicekauskas)	

	Colorimetric and circadian light characteristics of Latvian sky (S.Fomins, M.Ozoliņš)
	Optical system with dynamic magnification (M.Sobczak, A.Popiołek-Masajada)
	Influence of object size on recognition time in mental rotation test (L.Zariņa, J.Šķilters, V.Lyakhovetskii, G.Krūmiņa)
	Visual search depending on the set size and number of targets (I.Timrote, A.Anča, P.Vendiņa, B.Griķe, I.Cehanoviča, V.Lyakhovetskii)
	Perceptual grouping in central and peripheral visual field (I.Laicāne, J.Šķilters, V.Lyakhovetskii, A.Kūlīte, G.Krūmiņa)
	Effects of mental fatigue on visual grouping (T.Pladere, D.Bete, J.Šķilters, G.Krūmiņa)
107. auditory	
14:00-15:30	Posters and Coffee break
Magnum auditorium	
Session 2: Learning and visual perception (J.Allik, I.Timrote)	
15:30-15:50	Accommodation amplitude in school-age children (G.Ikaunieks, M.Segliņa, K.Panke, G.Krūmiņa)
15:50-16:10	Does binocular instability affect reaction times and procedural motor learning in developmental dyslexia? (A.Brenk-Krakowska, A.Przekoracka-Krawczyk, P.Nawrot, P.Rusiak, R.Naskrecki)
16:10-16:30	Interviewing children with reading difficulties about environmental factors influencing their reading performance (S.Breitenbach)
16:30-16:50	Parameters affecting coherent motion perception (E.Kassaliete, R.Trukša, A.Krastiņa, A.Petrova, I.Lācis)
16:50-17:10	Direct and indirect scaling procedures for visual sensation and perception (M.Costa)
17:10-17:30	Discussion

Day 3, 8 October, 2016	
Magnum auditorium	
Session 3: Binocularity (W.Jaschinski, I.Laicāne)	
9:00-9:30	Review of fixation disparity: methods, findings, concepts (W.Jaschinski)
9:30-10:00	A new approach to fixation disparity: determining aligning prisms without using trial prism lenses (O.Prenat)
10:00-10:20	Binocular coordination in reading when changing background brightness (A.Köpsel, A.Huckauf)
10:20-10:40	Examining crowding using a real three-dimensional experimental setup (L.V.Eberhardt, A.Huckauf)
10:40-11:00	Discussion
107. auditory	
11:00-11:30	Coffee break
Magnum auditorium	
11:30-12:30	Keynote lecture: Binocular coordination and binocular advantages in reading (Stephanie Jainta)
107. auditory	
12:30-13:30	Lunch
Magnum auditorium	
Poster session 2 (2 min presentations) (A.Švede)	
13:30-14:00	Open-view system for measurements of accommodation and vergence (K.Panke, A.Švede, S.Fomins, R.Trukša, G.Krūmiņa)

	Effect of vision therapy on vergence response in accommodation and vergence problems (I.Siliņa, A.Švede)
	Differences in cortical activation between pure volitional saccades and pure volitional vergences (M.Wojtczak-Kwaśniewska, A.Przekoracka-Krawczyk, R.van der Lubbe)
	The impact of emotional traits of observer on anti-saccades (Y.Kozhukhova)
	The time course of adaptation depending on subject's refraction (A.Petrova, E.Eldmane, P.Cikmačs)
	Optimal optotype structure for monitoring visual acuity (G.Rozhkova, D.Lebedev, M.Gracheva, S.Rychkova)
	Interactive computer trainings for improvement of binocular functions (M.Gracheva, S.Rychkova, I.Senko, H.P.Tahchidi)
	Computer-aided techniques in analysis and treatment of strabismic suppression: practical issues (S.Rychkova, M.Gracheva, I.Senko)
	Visual acuity and contrast sensitivity in different keratoconus stages (S.Līduma, G.Krūmiņa)
	Vertical zones of clear vision with progressive addition lenses (M.König, W.Jaschinski)
	Assesment of iridocorneal angle (A.Keiša)
107. auditory	
14:00-15:30	Posters and Coffee break
Magnum auditorium	
Session 4: Clinical (G.Krūmiņa, G.Ikaunieks)	
15:30-15:50	Differences in the development of deprivational and disbinocular amblyopia (S.Alekseenko, P.Shkorbatova)
15:50-16:10	Current trends of myopia management strategies in clinical practice (M.Zvirgzdiņa, J.B.Orr, N.S.Logan, J.S.Wolffsohn)
16:10-16:30	Orthokeratology and short term changes in peripheral refraction (A.Hartwig, H.Radhakrishnan)
16:30-16:50	Corneal curvature changes using long term orthokeratology (L.Kozuliņa, G.Krūmiņa)
16:50-17:10	Slope of the accommodative response measured with the retinal brightness method (V.Karitāns, N.Fridrihsone, E.Kassaliete, A.Švede, M.Ozoliņš, G.Krūmiņa)
17:10-17:30	Discussion
Restaurant "Kliversala", Mukusalas Str. 3	
19:00-22:00	Closing dinner

Minor changes to the programme can occur until the start of the symposium. We will keep the PDF versions on our website (www.vispep.lu.lv) up to date at all times. Please check back regularly our website (www.vispep.lu.lv) to download the most recent versions of the programme.

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