

Schedule at-a-glance

Monday, June 14th	Early Session 8:30 – 9:20am EST	IRTG Session #1 Chair: Dr. Denise Henriques Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Dr. Denise Henriques	Welcome remarks
		Elef Schellen and Edward Ody	Introduction
		Raphael Gastrock	Skill acquisition versus adaptation: Using a mirror reversal task to investigate de novo learning and distinguish it from motor adaptation
	Parallel Sessions 9:30 – 11:10am EST	IRTG Session #2 Chair: Mahboubeh Habibi Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Lisa Rosenblum	Influence of tactile flow on visual heading perception
		Elef Schellen	Neural markers of size perception in dynamic environments
		Laura Mikula	Interpreting and integrating vision for adapting to dynamic environments
		Edward Ody	Sensory suppression of self-generated visual and auditory action consequences.
		Hamid Ramezanzpour	Temporal cortex participates in attention control
		9:20am VVF Opening Remarks: Dr. Robert Allison Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		VVF Session #1 Chair: Jason Yu Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		Gaeun Son	Scene wheels: Measuring perception and memory of real-world scenes with a continuous stimulus space
		Katerina Andrinopoulos	Sex differences in visuospatial mental rotation persist under 3D VR conditions
		Jason Yu	Wavelet flow: Fast training of high-resolution normalizing flows
		Jingmin Zhou	Multi-label video categorization
		Katherine Newman	Understanding the influence of a brain derived neurotrophic factor gene polymorphism on brain network integrity and non-invasive brain stimulation techniques



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Monday, June 14th - continued	Parallel Session 11:20am – 1pm EST	VVF Session #2 Chair: Jennifer Ruttle Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Ala Salehi Canceled	Unsupervised data mining from videos for improved depth estimation in driving datasets
		Assel Al-Bayati	Frequent cannabis-use has no long-term effects on visuo-motor and visuo-cognitive performance
		Caroline Giuricich	Target-distractor competition modulates saccade trajectories
		Jennifer Ruttle	Implicit components of motor learning saturate faster with full control of movement and visual feedback
		Sebastian D'Amario	The influence of demographics, lifestyle and external events on cognitive and motor tasks
		VVF Session #3 Chair: Gaelle Luabeya Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		Ayoob Shahmoradi	Representation as representation-as
		Bianca Baltaretu	A cortical network for transsaccadic perception of object features: An fMRI paradigm
		Huiqin Chen	Perceptual hysteresis in the categorization of complex scenes
		Gaelle Luabeya	Neural mechanism of integration of location and orientation in preparation for grasp
		Tasfia Ahsan	Perceived depth modulates perceptual resolution
		1 - 2pm EST	Lunch @Gather Town Link: https://gather.town/j/leCDDqJ6; Passcode: 3291 Chat with presenters, hang out with colleagues and friends
2 - 4pm EST	Workshop #1 – Panel discussion on non-academic jobs A discussion about applying for non-academic jobs across disciplines, with: Dr. Raghavender Sahdev (NuPort Robotics Inc); Dr. Caitlin Mullin (VISTA @ York University); Dr. Soo Min Kang (Samsung AI); Dr. Lindsey Fraser (Vpixx Inc.); Dr. Carolyn Steele (Career Development coordinator, York University) Zoom link: https://tinyurl.com/VirtualVisionFutures1		



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Tuesday, June 15th	Early Session 8:30 – 9:20am EST	IRTG Session #3 Chair: Moritz Schubert Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Christina Schmitter	Discrete vs. continuous action feedback: Commonalities and differences in predictive neural processing
		Ben Cuthbert	Visual working memory models do not generalize to the whole-report task
		Ilja Wagner	Humans trade-off set-size and discrimination difficulty in a combined visual search and perceptual discrimination task
	Parallel Sessions 9:30 – 11:10am EST	IRTG Session #4 Chair: Jonathan Coutinho Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Brandon Caie	Predictive Gating of Evidence Accumulation
		Frieder Tom Hartmann	Hand configurations and contact regions of natural human grasps
		Mahboubeh Habibi	A free viewing paradigm to identify eye movement disturbances in alpha-synucleinopathies versus tauopathy
		Elena Fuehrer	Sensorimotor predictions lead to sensation-specific tactile suppression
		Johannes Keck	Spatiotemporal features of emotional body language in social interactions
		VVF Session #4 Chair: TBD Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		Paria Mehrani	Learning a sparse representation in V4 cells reveals shape encoding mechanisms in the brain
		Rachel Moreau	Differential processing of reflection and rotation symmetries in visual textures
		Rebecca Keller	(Endogenous) perceptual states are conceptual
		Sidharth Gupta	Implementing and integrating contour completion using Perceptual Grouping
Krista Mitchnick	Damage to the hippocampal dentate gyrus impairs the perceptual discrimination of complex, novel objects		



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Tuesday, June 15th - continued	Parallel Session 11:20am – 1pm EST	VVF Session #5 Chair: Alica Rogojin Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Alica Rogojin	White matter microstructure changes are associated with declines in cognitive-motor task performance in older adults with a genetic (APOE e4) risk for Alzheimer’s disease
		Mylann Guevara	The neural underpinnings of mental attention capacity in healthy young adults
		Rebecca Barnstaple	Visuomotor integration in dance-based learning: Applications for clinical populations
		Sara Pishdadian	Mnemonic discrimination and spatial abilities in healthy aging and subjective cognitive decline
		Thomas Chen	Computer vision for social good: adapting to the changing climate and extreme weather events
		VVF Session #6 Chair: Björn Jörges Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		Björn Jörges	Visually simulated self-motion biases the perception of object motion and makes it less precise
		Brittney Hartle	Scaling stereoscopic depth through reaching
		Ewen Lavoie	Embodiment, visual attention, and movement in real and virtual worlds
	Fengbo Lan	Joint demosaicking / rectification of fisheye camera images using multi-color graph laplacian regularization	
	Domenic Au	The impact of binocular capture on monocular content in augmented reality	
	1 – 2pm EST	Lunch @Gather Town Link: https://gather.town/i/leCDDqJ6; Passcode: 3291 Chat with presenters, hang out with colleagues and friends	
	2 – 4pm EST	Workshop #2: Panel discussion on applying for academic jobs Our panelists: Dr. Kevin Lande (Philosophy); Dr. Laurence Harris (Psychology); Dr. Gene Cheung (EECS); Dr. Caitlin Fisher (Arts); Dr. Shital Desai (Design) Zoom link: https://tinyurl.com/VirtualVisionFutures1	



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Wednesday, June 16th	Early Session 8:30-9:20am EST	IRTG Session #5 Chair: Lisa Rosenblum Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Jakob Schwenk	Processing of temporal information in marmoset primary visual cortex
		Jonathan Coutinho	Luminance evoked pupil response dynamics
		Renate Reisenegger	Neurophysiological correlates of self-motion processing and navigation
	Parallel Sessions 9:30 – 11:10am EST	IRTG Session #6 Chair: Laura Mikula Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Matt Laporte	Robust versus optimal control of movements by neural networks
		Nedim Goktepe	Understanding the temporal dynamics and informational content of foveal feedback in peripheral vision.
		Lucie Preißler	Emotion perception of interactive body movements in preschoolers
		Kieran Hussey	Familiar size reliably affects size and distance perception in high-resolution virtual reality
		Lina Musa	Explicit attention to allocentric visual landmarks improves memory-guided reaching
		VVF Session #7 Chair: Tenzin Chosang Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		Hossein Pourmodheji	Multiple pedestrian tracking by a mask R-CNN with post processing and an adaptive information-driven motion particle filter model
		Harpreet Saini	Color modulates feature integration
		Sarah Park	Will the colavita effect persist in online testing?
		Tiina Rosenqvist	What are colour visual systems doing?
		Tenzin Chosang	Evaluating the perceptual efficiency of shape representation models
		Parallel Session 11:20am – 1pm EST	VVF Session #8 Chair: Sarah Vollmer Zoom link: https://tinyurl.com/VirtualVisionFutures1
	Lee Williams		I am your ghost
	Jonathan Tong		Curvature detection and discrimination thresholds for parabolic surfaces depend on the direction of curvature
	Xue Teng		Depth perception under scaled motion parallax in virtual reality
Robert Codd-Downey	Vision based diver-robot interaction at depth		
Sarah Vollmer	Forking paths: The living history of mutable sound		



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Wednesday, June 16th - continued	Parallel sessions 11:20am – 1pm EST	VVF Session #9 Chair: George Tomou Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		Parisa Abedi Khoozani	Mechanisms for integrating allocentric and egocentric information for goal-directed movements: a neural network approach
		Gifty Asare	Electrophysiological correlates of the effect of the colour red on response inhibition
		Rezaul Karim	Investigation of feedback and lateral inhibition in ConvNets.
		Maria Koshkina	Towards sports video understanding: Player detection, classification, and tracking
		George Tomou	Functional connectivity of transsaccadic perception: Evidence from fMRI and graph theory analysis
	1 – 2pm EST	Lunch @Gather Town Link: https://gather.town/i/leCDDqJ6; Passcode: 3291 Chat with presenters, hang out with colleagues and friends	
2 – 4pm EST	Workshop #3: Impactful research writing (see p.79) scientific papers and knowledge dissemination Dr. Gunnar Blohm, Queen’s University Zoom link: https://tinyurl.com/VirtualVisionFutures1		



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Thursday, June 17th	Early Session 8:30-9:20am EST	IRTG Session #7 Chair: Frieder Hartmann Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Moritz Schubert	The bayesian causal inference of body ownership model relies on unrealistic parameter choices
		Shanaathanan Modchalingam	Factors affecting implicit motor learning
		Marie Mosebach	Linking signal relevancy and reliability in somatosensory predictions
	Parallel Sessions 9:30 – 11:10am EST	IRTG Session #8 Chair: Raphael Gastrock Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Kevin Hartung	Where are the fish? Advantage from contextual cueing in foraging tasks
		Ambika Bansal	The effects of speed and direction of self-motion on visual odometry
		Pierre-Pascal Forster	What can we expect from embodiment and presence ratings: An online experiment
		John Jong-Jin Kim	Can you place your phone in a picture? Determining the distance and size of an object in a 2D representation of a scene
		Ryan Cortez	Frequent cannabis-use has no long-term effects on visuo-motor and visuo-cognitive performance
		VVF Session #10 Chair: Dr. Noa Yaari Zoom link: https://tinyurl.com/VirtualVisionFutures2	
		Aaron Tucker	Solving the conflict between breathability and masked faces within facial recognition technologies
		Diego Fontanive	Implementing metamemetic thinking as an approach to implicit bias reduction
		Marcus Gordon	Live coding volumetric displays
		Rozhan Khalajzadeh	Glaucoma and IOP in swimming goggles
Noa Yaari	How I think vision when I paint		



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Thursday, June 17th - continued	Final Session 11:20am – 1pm EST	VVF Session #11 Chair: Keyi Liu Zoom link: https://tinyurl.com/VirtualVisionFutures1	
		Veronica Nacher	Visual response fields in DLPFC during a head-unrestrained reach task.
		Zoha Ahmad	Unilateral cortical resection of both visual pathways alters action but not perception in a pediatric patient with pharmaco-resistant epilepsy
		Keyi Liu	Instance segmentation with sparse distance transform map
		Spencer Ivy	The limits and future of holistic visual processing in visual expertise
		Sanjida Sharmin Mohona	Effects of chromatic aberration compensation on visibility of compression artifacts
1pm EST	Closing remarks: Dr. Doug Crawford Zoom link: https://tinyurl.com/VirtualVisionFutures1		
1:15pm EST	Lunch @Gather Town Link: https://gather.town/i/leCDDqJ6; Passcode: 3291 Chat with presenters, hang out with colleagues and friends		
2-3:30pm EST	End of conference social @Gather Town Link: https://gather.town/i/leCDDqJ6; Passcode: 3291		