

**CURRICULUM VITAE****1. Personal Details**

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**2. Higher Education**

<b>Period of Study</b>	<b>Name of Institution and Department</b>	<b>Degree</b>	<b>Year of Approval of Degree</b>
1989-1993	Psychology Department Tel-Aviv University, Israel	B.A.	1993
1996-1998	Computer Sciences New York University, USA	M.Sc.	1998
1994-1999	Psychology Department New York University, USA	Ph.D.	1999

**3. Academic Ranks and Tenure in Institutes of Higher Education**

<b>Dates</b>	<b>Name of Institution and Department</b>	<b>Rank/Position</b>
2000 – 2008	Department of Psychology, University of Haifa	Lecturer
2008 - 2015	Department of Psychology, University of Haifa	Senior Lecturer (with tenure)
2012	Department of Psychology, University of New South Wales, Australia	Visiting Academic
2013	ZiF Center for Interdisciplinary Research, Bielefeld University, Germany	ZiF Fellow
2015 - present	Department of Psychology, University of Haifa	Associate Professor

#### 4. **Offices in Academic Administration (University of Haifa)**

2005 – 2011	Head of Cognitive Psychology M.A Program
2009 – 2011	Head of Psychology B.A committee
2013 – present	Head of Experimental Psychology Direct Ph.D. Program
2014 – 2017	Head of Psychology Ph.D. committee

#### 5. **Scholarly Positions and Activities outside the University**

##### **Editorial Board:**

<u>Date</u>	<u>Journal</u>	<u>Activity</u>
2009 – 2015	<i>Attention Perception &amp; Psychophysics</i>	Associate Editor
2015 – present	<i>Journal of Vision</i>	Editorial Board Member

##### **Referee of Professional Journals:**

<u>Date</u>	<u>Journal</u>
2001 – present	<i>Acta Psychologica; Annals of the New York Academy of Sciences; Attention Perception &amp; Psychophysics; Cognition; Cortex; Experimental Psychology; Current Opinion in Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Frontiers in Psychology; Journal of Mathematical Psychology; Journal of Vision; Neuropsychologia; Neuroscience &amp; Biobehavioral Reviews; Neuroscience Letters; Perception; PLoS ONE; Psychological Research; Psychological Science; Psychonomic Bulletin &amp; Review; Quarterly Journal of Experimental Psychology; Scientific Reports; Spatial Vision; Vision Research; Visual Cognition</i>

##### **Referee of Grants Proposals:**

The Israel Science Foundation (ISF)  
 United States Israel Binational Science Foundation (BSF)  
 German-Israeli Foundation (GIF)  
 The National Institute For Psychobiology In Israel (NIPI)  
 Austrian Academy of Sciences  
 German Research Foundation (DFG)  
 Yale-NUS Internal Grants

**Grants scientific panel:**

The Israel Science Foundation (ISF); panel member

United States Israel Binational Science Foundation (BSF); panel member, panel leader

German Research Foundation (DFG); panel member

**Promotion professional committees:**

Ben-Gurion University

The Open University

Rupin College

**Program Reviewer:**

Society

Vision Sciences Society (VSS)

European Conference on Visual Perception (ECVP)

**Membership in Scientific Societies:**

Vision Sciences Society

The Psychonomic Society

**6. Active Participation in Scholarly Conferences****International Conferences - Held Abroad**

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture/Discussion</b>
April 1996	ARVO Annual Meeting	Ft. Lauderdale, FL, USA	Effects of pre-cueing the target location on the set-size
November 1996	Psychonomic	Chicago, IL, USA	Re-evaluating the role of covert attention in visual search
May 1997	ARVO Annual Meeting	Ft. Lauderdale, FL, USA	The effects of cueing spatial attention on discrimination tasks
November 1997	Psychonomic	Philadelphia, PA, USA	Spatial attention improves observers' discrimination
May 1998	ARVO Annual Meeting	Ft. Lauderdale, FL, USA	The effects of cueing attention on an orientation texture segregation task

August 1998	European Conference on Visual Perception	Oxford, UK	1. Do attentional effects differ across visual fields?
			2. Spatial attention affects acuity and texture segregation
November 1998	Psychonomic	Dallas, TX, USA	Attention improves and impairs visual performance by enhancing spatial resolution
May 1999	ARVO Annual Meeting	Ft. Lauderdale, FL, USA	Attentional effects in texture segmentation as a function of the texture's spatial frequency
November 1999	Psychonomic	Los Angeles, CA, USA	The locus of the attentional effects in texture segregation
May 2001	Vision Science Society (VSS)	Sarasota, FL, USA	The effects of spatial attention on temporal resolution
August 2001	European Conference on Visual Perception	Kussadasi, Turkey	The effects of spatial attention on temporal resolution
May 2002	Vision Science Society (VSS)	Sarasota, FL, USA	Spatial attention and visual temporal processes
May 2003	Vision Science Society (VSS)	Sarasota, FL, USA	Apparent motion is less apparent with attention
May 2004	Vision Science Society (VSS)	Sarasota, FL, USA	Transient attention and the integration of information across time
May 2005	Vision Science Society (VSS)	Sarasota, FL, USA	1. Motion perception is differentially effected by the transient and sustained components of spatial attention
			2. On the flexibility of covert attention and its effects on a texture segmentation task
January 2006	Brain & Cognition Workshop	Taipei, Taiwan	The effects of transient attention on segregation and integration of spatial and temporal information
May 2006	Vision Science Society (VSS)	Sarasota, FL, USA	Transient attention and selective adaptation to high and low spatial frequencies

May 2007	Vision Science Society (VSS)	Sarasota, FL, USA	1. Evaluating the Ability of Visual Search Models Suggested for Computer-Vision to Predict Human Performance
			2. Differential effects of endogenous and exogenous covert attention on texture segmentation
May 2008	Vision Science Society (VSS)	Naples, FL, USA	Perceptual objects capture attention
May 2009	Vision Science Society (VSS)	Naples, FL, USA	1. Differential effects of transient attention on adaptation to different spatial frequencies
			2. The effects of transient attention and target contrast on crowding at different eccentricities
August 2009	European Conference on Visual Perception	Regensburg, Germany	Modeling neurophysiological and psychophysical effects of attention via dynamic modulation of receptive fields
May 2010	Vision Science Society (VSS)	Naples, FL, USA	1. Temporal crowding with normal observers and its interplay with spatial crowding
			2. The Attentional Attraction Field: Modeling spatial and temporal effects of spatial attention
July 2010	Asia-Pacific Conference on Vision (APCV)	Taipei, Taiwan	Transient attention and perceptual tradeoffs
May 2011	Vision Science Society (VSS)	Naples, FL, USA	Modeling Combined Proximity-Similarity Effects in Visual Search
April 2012	Australian Experimental Psychology Conference	Sydney, Australia	Stimulus-driven attentional capture by objecthood

May 2013	Vision Science Society (VSS)	Naples, FL, USA	1. Differential effects of transient attention on inferred parvocellular and magnocellular processing
			2. The Attentional Attraction Field: A feed-forward model of attention
			3. Competition between grouping principles
May 2014	Vision Science Society (VSS)	St. Pete Beach, FL, USA	1. Pure irrelevance induced 'blindness'
			2. Spatial and temporal crowding with normal observers
			3. Can a competition between grouping principles be resolved without attention?
August 2014	European Conference on Visual Perception	Belgrade, Serbia	Competition between grouping principles: a primed-matching study
May 2015	Vision Science Society (VSS)	St. Pete Beach, FL, USA	The effects of precueing the target location on temporal crowding
August 2015	European Conference on Visual Perception	Liverpool, U.K	Temporal crowding and the effects of spatial attention
May 2016	Vision Science Society (VSS)	St. Pete Beach, FL, USA	1. Super-fast endogenous allocation of temporal attention
			2. Temporal attention selects compound representations in a strategic manner: Evidence from the attentional blink
August 2016	European Conference on Visual Perception	Barcelona, Spain	1. Super-fast endogenous allocation of temporal attention
			2. The effects of spatial attention on temporal integration
May 2017	Vision Science Society (VSS)	St. Pete Beach, FL, USA	1. Temporal grouping enables selection of multiple targets in rapid streams of visual information

			2. The Effects of Rhythm-Induced Attention on Perceptual Representation - Precision Analysis
			3. Temporal integration and spatial attention
			4. The size of the attentional window when measured by the pupillary response to light
July 2017	Asia-Pacific Conference on Vision (APCV)	Tainan, Taiwan	Paying attention to time is faster than paying attention to space
August 2017	European Conference on Visual Perception	Berlin, Germany	1. Crowding in the time domain
			2. The size of the attentional window when measured by the pupillary response to light
			3. Temporal integration and spatial attention
			4. The typical advantage of object-based attention reflects reduced spatial cost
October 2017	Annual Conference of the Timing Research Forum	Strasbourg, France	1. Paying attention to time is faster than paying attention to space
			2. The effects of rhythm-induced attention on perceptual representation-mixture-model analysis
May 2018	Vision Science Society (VSS)	St. Pete Beach, FL, USA	1. The nature of the impairment brought about by temporal crowding
			2. Sustained spatial attention can affect feature fusion

			3. The minimal size of the attentional window is larger when measured via the pupillary light response
August 2018	European Conference on Visual Perception	Trieste, Italy	Is temporal crowding merely long-lasting masking?
May 2019	Vision Science Society (VSS)	St. Pete Beach, FL, USA	1. Differences and similarities between temporal crowding, spatial crowding and masking
			2. Are familiar rhythms a top-down – bottom-up hybrid cue of visual temporal attention?
			3. Induced pupil oscillations characterize the size of the attentional window at different levels of attentional load
July 2019	Asia-Pacific Conference on Vision (APCV)	Osaka, Japan	The characteristics of the attentional window when measured with the pupillary response to light

### **International Conferences - Held in Israel**

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture/Discussion</b>
September 1998	European Society for Cognitive Psychology	Jerusalem, Israel	The effects of cueing spatial attention on acuity and texture segregation tasks
April 2010	Selection and Control Mechanisms in Perception and Action	Jerusalem, Israel	1. Transient attention and the interplay between the temporal and spatial domains of perception
			2. Do object-based effects merely reduce spatial costs?
			3. The Attentional Attraction Field: Modeling spatial and temporal effects of spatial attention



			4. Perceptual load in central and peripheral regions and its effects on performance
June 2016	Sensing: from minds to Machines	Ber Sheva, Israel	The reciprocal relations between attention and perceptual organization
April 2017	International Conference in Vision Science: "From Basic Research to Clinical Applications"	Bar-Ilan University, Israel	Crowding in the time domain

### **Local Conferences**

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Lecture/Discussion</b>
October 2004	The Israeli Society for Cognitive Psychology	Ramat Gan, Israel	Differential effects of the transient and sustained components of spatial attention
March 2013	Annual Meeting of The Israeli Society of Vision and Eye Research	Airport City, Israel	Crowding modulations by spatial attention, stimuli contrast, and object formation
February 2014	1 <sup>st</sup> Israel Cognitive Psychology meeting (ISCoP)	Akko, Israel	1. Attentional attraction of receptive fields can explain spatial and temporal effects of attention
			2. Spatial and temporal crowding with normal observers
			3. Effects of stimuli contrast and pre-cueing attention in crowding
			4. The efficiency of attentional selectivity and perceptual load
February 2015	2 <sup>nd</sup> Israel Cognitive Psychology meeting (ISCoP)	Akko, Israel	1. The effects of precueing the target location on temporal crowding

			2. Temporal and spatial integration at different regions of the visual field
			3. Competition between grouping principles: a primed-matching study
February 2016	3 <sup>rd</sup> Israel Cognitive Psychology meeting (ISCoP)	Akko, Israel	1. Temporal crowding and the effects of spatial attention
			2. The effects of spatial attention on temporal integration
			3. Temporal attention selects compound representations in a strategic manner: Evidence from the attentional blink
February 2017	4 <sup>th</sup> Israel Cognitive Psychology meeting (ISCoP)	Akko, Israel	1. The size of the attentional window when measured by the pupillary response to light
			2. The Effects of Rhythm-Induced Attention on Perceptual Representation - Precision Analysis
			3. Temporal grouping enables selection of multiple targets in the attentional blink paradigm
			4. Temporal integration and spatial attention
February 2018	5 <sup>th</sup> Israel Cognitive Psychology meeting (ISCoP)	Akko, Israel	1. The size of the attentional window when measured with the pupillary response to light
			2. Can Familiar Rhythm Entrain Temporal Attention?
			3. Sustained spatial attention can affect feature fusion
			4. In the attentional blink, temporal expectancy may be limited to the first target

			5. Does the size of the attentional window scale with eccentricity?
February 2019	6 <sup>th</sup> Israel Cognitive Psychology meeting (ISCoP)	Akko, Israel	1. How does the Size of the Attentional Window Vary with Eccentricity?
			2. The Effect of Spatial Attention on Perceived Motion in Ternus-Pikler Displays
			3. Priming from crowded words in an alphabetical language
			4. Are Familiar Rhythms a Top-Down – Bottom-Up Hybrid Cue of Temporal Attention?
			5. The Time-Course of Rhythm-Based Temporal Attention
February 2020	7 <sup>th</sup> Israel Cognitive Psychology meeting (ISCoP)	Akko, Israel	1. The time course of temporal attention
			2. Individual differences in internal noise predict effects of spatial attention

### **Organization of Conferences or Sessions**

<b>Date</b>	<b>Name of Conference</b>	<b>Place of Conference</b>	<b>Subject of Conference</b>	<b>Role</b>
2004	General Meeting of The Israeli Society for Cognitive Psychology	Bar Ilan	Cognitive psychology	Conference organizer
2010	Selection and Control Mechanisms in Perception and Action	The Israel Institute for Advanced Studies, Jerusalem	Attention and control mechanisms	Conference organizer
2010	Asia-Pacific Conference on Vision (APCV)	Taipei, Taiwan	Transient attention and perceptual tradeoffs	Symposium organizer

2019	Asia-Pacific Conference on Vision (APCV)	Osaka, Japan	Studying attention without relying on behavior	Symposium organizer
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## 7. Invited Lectures

### Abroad

Date	Place of Lecture	Name of Forum	Presentation/Comments
June 2003	San Miniato, Italy	International Workshop on Visual Attention	Transient spatial attention and visual temporal processes
January 2006	Taipei, Taiwan	Brain & Cognition Workshop	The effects of transient attention on segregation and integration of spatial and temporal information
March 2007	Buenos Aires, Argentina	2nd International Workshop on Visual Attention	Stimulus-driven attentional capture by objecthood
July 2010	Taipei, Taiwan	Asia-Pacific Conference on Vision (APCV)	Transient attention and perceptual tradeoffs
June 2011	Bielefeld University, Germany	CITEC Colloquium	Transient attention and the interplay between the temporal and spatial domains of perception
October 2011	Allahabad, India	3rd International Workshop on Visual Attention	Transient attention and perceptual tradeoffs
July 2013	Bielefeld University, Germany	CITEC Vision Science Colloquium	Differential effects of transient attention on inferred parvocellular and magnocellular processing
January 2014	École polytechnique fédérale (EPFL), Lausanne, Switzerland	Vision and Cognition (V&C) seminar	Transient attention and perceptual tradeoffs
March 2014	ZiF - Center for Interdisciplinary Research, Bielefeld, Germany	Competitive visual processing across space and time: Interactions with memory	The fate of irrelevant stimulation

July 2015	Tuebingen University, Germany	Psychology Department Colloquium Tuebingen	Transient attention and perceptual tradeoffs
October 2015	University of Birmingham, UK	Cognitive Neuroscience Seminar Birmingham	Transient attention and perceptual tradeoffs
May 2016	University of Giessen, Germany	Perception center (SFB-TRR)	Perceptual tradeoffs shape the effects of transient attention
December 2017	Université de Lyon, Lyon, France	ImpAct – Lyon Neuroscience Research Center, Inserm	Perceptual tradeoffs shape the effects of transient attention
July 2017	China Medical University, Taichung, Taiwan	Graduate Institute of Biomedical Sciences	Effects of attention in space and time
June 2018	Bielefeld University, Germany	CITEC Vision Science Colloquium	Paying attention to time
August 2019	Tohoku University, Japan	RIEC Seminar	Perceptual tradeoffs shape the effects of transient attention
December 2019	Ecole normale supérieure, Paris, France	Laboratoire des Systèmes Perceptifs Seminar	The characteristics of the attentional window when measured with the pupillary response to light

### **In Israel**

<b>Date</b>	<b>Place of Lecture</b>	<b>Name of Forum</b>	<b>Presentation/Comments</b>
July 2005	University of Haifa, Israel	The Minerva Workshop Series	The effects of transient spatial attention on visual temporal processes
April 2010	Jerusalem, Israel	Selection and Control Mechanisms in Perception and Action	Transient attention and the interplay between the temporal and spatial domains of perception
June 2019	Mitzpe Ramon	The 6th JBC Annual Retreat	The characteristics of the attentional window when measured with the pupillary response to light

## 8. Colloquium Talks

<b>Date</b>	<b>Place of Lecture</b>	<b>Name of Forum</b>	<b>Presentation/Comments</b>
April, 1998	New York University, NY, USA	Perception and Cognition Minisymposium	Attention Enhances Spatial Resolution
March, 1999	Ben-Gurion University	Behavioral sciences colloquium	The Nature of the Attentional Mechanisms: Support for Enhanced Resolution
March, 1999	Tel Aviv University	Cognitive psychology colloquium	The Nature of the Attentional Mechanisms: Support for Enhanced Resolution
March, 1999	Hebrew University	Cognitive psychology colloquium	The Nature of the Attentional Mechanisms: Support for Enhanced Resolution
March, 1999	Technion	Behavioral sciences colloquium	The Nature of the Attentional Mechanisms: Support for Enhanced Resolution
March, 2001	Technion	Brain and Behavior Seminar	The Nature of the Attentional Mechanisms: Spatial Resolution Enhancement
April 2003	Weizmann Institute	The department of neurobiology colloquium	Spatial attention and visual temporal processes
October 2003	Tel Aviv University	Cognitive psychology colloquium	The effects of transient spatial attention on visual temporal processes
May 2004	Hebrew University	Cognitive psychology colloquium	The effects of transient attention on spatial and temporal processes
April, 2007	Ben-Gurion University		The effects of transient attention on segregation and integration of spatial and temporal information
August 2011	Sydney University, Australia	Brain and Behavior colloquium	Transient attention and the interplay between the temporal and spatial domains of perception
August 2011	University of New South Wales, Australia	Experimental psychology colloquium	Transient attention and the interplay between the temporal and spatial domains of perception

November 2011	Macquarie University, Australia	Brain and Behavior colloquium	Transient attention and perceptual tradeoffs
June 2015	Tel Aviv University	Cognitive psychology colloquium	Transient attention and perceptual tradeoffs
June 2015	Hebrew University	Cognitive psychology colloquium	Differential effects of transient attention on inferred parvocellular and magnocellular processing
November 2015	Ben-Gurion University	Zlotowski Neuroscience colloquium	Transient attention and perceptual tradeoffs
December 2015	Ben-Gurion University	Vision Seminar	The effects of attention on segregation and integration of spatial and temporal information
February 2016	The Open University	Cognitive psychology Seminar	Transient attention and perceptual tradeoffs
December 2019	Bar Ilan University	Vision Science seminar	The temporal domain of crowding
January 2020	Ben-Gurion University	Zlotowski Neuroscience colloquium	The characteristics of the attentional window when measured with the pupillary response to light

## 9. Research Grants

<b>Role</b>	<b>Other Researchers</b>	<b>Topic</b>	<b>Funded by</b>	<b>Amount</b>	<b>Years</b>
PI		The effects of visual spatial attention on visual temporal processes	The Israel Science Foundation –ISF	\$75,000	2001 – 2004
PI		Binocular rivalry and the relationships between spatial attention and awareness	Israel Foundation Trustees –FORD	\$6720 - Waved	2001 – 2002

PI		Reality Center for attention and perception	ISF Equipment	\$170,000	2002
PI	M. Carrasco PI, NYU	Are transient and sustained attention adaptable: Can they both increase and decrease spatial resolution?	United States Israel Binational Science Foundation BSF	\$144,000	2002 – 2005
PI		Transient attention and the temporal impulse response	The Israel Science Foundation –ISF	\$106,000	2005–2008
CI	R. Kimchi PI UoH	Perceptual Organization and Visual Attention: Stimulus-Driven Attentional Capture by a Perceptual Object	The Israel Science Foundation –ISF	\$75,000	2006–2009
PI		A systematic evaluation of in-car warning systems under varying conditions of perceptual load	The Ran Naor Foundation	\$21,000	2009–2010
PI	J. Norman PI, UoH P. Setter CI, UoH T. Toledo CI, Technion	The effects of billboards on driving as a function of type of billboard, their size, and density	The Israel National Road Safety authority	\$65,000	2009–2010
PI		The effect of perceptual load on driving quality and the usability of in-car warning systems	The Research Fund on Insurance Matters	\$42,000	2009–2011
PI		Attention as an attraction field (AAF): The development and evaluation of a novel model of spatial attention	The National Institute for Psychobiology in Israel - NIPI	\$100,000	2011–2013
PI	J. Norman PI, P. Setter CI,	The influence of advertizing billboards on the attention allocation of drivers	The Research Fund on Insurance Matters	\$120,000	2011–2014
PI		The time course of temporal attention and its effects on basic perceptual processes	The Israel Science Foundation –ISF	\$183,000	2013–2017



PI	W. Einhäuser-Treyer PI	Objective Measurements of Perception and Attention	The German-Israeli Foundation - GIF	€195,000	2018-2021
PI		The temporal domain of crowding	The Israel Science Foundation –ISF	\$285,000	2019–2024

## 10. Scholarships, Awards and Prizes

GSAS Predoctoral Summer Fellowships, New York University (Summer 1997)

Katzell Summer Fellowship (Summer 1998)

GSAS Teaching Assistant award (1994 - 1999)

Alon Fellowship (2000 –2003)

Bergmann Memorial Award – BSF (2002; \$5000)

## 11. Teaching

### a. Courses Taught in Recent Years

Year	Name of Course	Type of Course	Degree
1994-1995	Introduction to Psychology	Recitation	B.A.
1995-1998	Perception	Recitation	B.A.
1996-1999	Research Methods in Perception	Recitation	B.A.
2000- present	Perception	Lecture	B.A.
2001- 2017	Perception & Attention	Research Seminar	B.A.
2001- present	Sensation & Perception	Seminar	M.A., Ph.D
2002- present	Research Practicum	Seminar	M.A., Ph.D
2010 -present	Attention & Performance	Seminar	M.A., Ph.D
2017- present	Perception & Attention	Lab Seminar	B.A. - Ph.D

### b. Supervision of Graduate Students

M.A. Students			
Student's Name	Other Mentors	Title of Thesis	Date

Golan Marom		The effects of spatial transient attention on duration estimation	2003
Avshalom Erlich		Temporal integration as a tool to improve images perception	2004
Tomer Carmel		Implicit learning demands awareness to the subjects of the underlying rule	2007
Gilad Sabo		The effects of transient attention on pulsed vs. steady detection tasks	2009
Einat Rashal		Attention and crowding	2009
Yamit Provisor		Competition between two attentional cues: gaze and singleton	2013
Ruth Peled	R. Kimchi	Figure-ground organization and the watercolor illusion	2014
Tamar Hanania		Moods effects on color perception	2014
Shira Tkacz-Domb		Spatial attention and temporal crowding	2014
Shai Aviram	Y. Bloch	The effect of attention functions on arithmetic task performance under different display conditions	2016
Joshua Kotler	R. Kimchi	Figure-ground organization and Inattentional Blindness	2017
<b>Ph.D Students</b>			
<b>Student's Name</b>	<b>Other Mentors</b>	<b>Title of Thesis</b>	<b>Date</b>
Hadas Marciano		Perceptual Load in Different Regions of the Visual Field and its Relevance for Driving	2012
Einat Rashal	R. Kimchi	Competition in the process of perceptual organization	2015
Ilanit Hochmits		Attention and Information integration over time and space	2019
Shira Tkacz-Domb		The relations between attention in time and space and pupil size	2019
Guy Snir		Mechanisms of temporal attention: The attentional blink as a case study	In progress

Asaf Elbaz		Temporal Attention and Rhythm in Visual Discrimination Tasks: The Role of Familiarity, and Meter Structure	2019
Felipe Luzardo		Attention and internal noise	In progress
Tomer Sahar	T. Makovski	The consequences of visual attention	In progress

## **PUBLICATIONS**

### **Ph.D. dissertation**

“How does attention aid visual perception: Support for Enhanced Resolution”

Psychology Department New York University, September 1999. Pp. 162.

Dissertation Advisor: Prof. Marisa Carrasco.

### **Articles in Refereed Journals**

#### **Published**

Carrasco, M. & Yeshurun, Y. (1998). The contribution of covert attention to the set-size and eccentricity effects in visual search. *Journal of Experimental Psychology: Human Perception and Performance*, 24(2), 673-692.

Yeshurun, Y. & Carrasco, M. (1998). Attention improves or impairs visual performance by enhancing spatial resolution. *Nature*, 396(6706), 72-75.

Yeshurun, Y. & Carrasco, M. (1999). Spatial attention improves performance in spatial resolution tasks. *Vision Research*, 39(2), 293-305.

Yeshurun, Y. & Carrasco, M. (2000) The locus of attentional effects in texture segmentation. *Nature Neuroscience*, 3(6), 622-627.

Carrasco M., Williams P. & Yeshurun Y. (2002) Covert attention increases spatial resolution with or without masks: Support for signal enhancement. *Journal of Vision*, 2(6), 467-479.

Yeshurun, Y. & Levy, L. (2003) Transient spatial attention degrades temporal resolution. *Psychological Science*, 14(3), 225-231.

Yeshurun, Y. (2004). Isoluminant stimuli and red background attenuate the effects of transient spatial attention on temporal resolution. *Vision Research*, 44, 1375–1387.

- Kimchi, R., Yeshurun, Y. & Cohen-Savransky, A. (2007) Automatic, Stimulus-driven Attentional Capture by Objecthood. *Psychonomic Bulletin & Review*, 14 (1), 166-172.
- Yeshurun, Y. & Carrasco, M. (2008). The effects of transient attention on spatial resolution and the size of the attentional cue. *Perception & Psychophysics*, 70(1), 104-113.
- Yeshurun, Y., Montagna, B. & Carrasco, M. (2008). On the flexibility of sustained attention and its effects on a texture segmentation task. *Vision Research*, 48(1), 80-95.
- Avraham, T., Yeshurun, Y. & Lindenbaum, M. (2008). Predicting Visual-Search Performance by Quantifying Stimuli Similarities. *Journal of Vision*, 8(4):9, 1–22.
- Yeshurun, Y. & Marom, G. (2008). Transient spatial attention and the perceived duration of brief visual events. *Visual Cognition*, 16(6), 826-848.
- Yeshurun, Y., Carrasco, M. & Maloney, L. T. (2008). Bias and sensitivity in two-interval forced choice procedures. *Vision Research*, 48, 1837-1851.
- Carrasco, M. & Yeshurun, Y. (2009). Covert Attention Effects on Spatial Resolution. In N. Srinivasan (Ed.) *Progress in Brain Research*. Vol 176, ATTENTION, The Netherlands: Elsevier, pp. 65-86.
- Yeshurun, Y., Kimchi, R., Sha'shoua, G., & Carmel, T. (2009). Perceptual objects capture attention. *Vision Research*, 49, 1329–1335.
- Yeshurun, Y. & Rashal, E. (2010). Precueing attention to the target location diminishes crowding and reduces the critical distance. *Journal of Vision*, 10(10):16, 1–12.
- Marciano, H. & Yeshurun, Y. (2011). The Effects of Perceptual Load in Central and Peripheral Regions of the Visual Field. *Visual Cognition*, 19(3), 367 – 391.
- Yeshurun, Y. & Hein, E. (2011). Transient attention degrades perceived apparent motion. *Perception*, 40, 905 – 918.
- Marciano, H. & Yeshurun, Y. (2012). Perceptual load in central and peripheral regions and its effects on driving performance: Advertizing billboards. *Work: A Journal of Prevention, Assessment and Rehabilitation*, 41, 3181-3188.
- Marciano, H., & Yeshurun, Y. (2012). Perceptual load in central and peripheral regions and its effects on driving performance with and without collision avoidance warning system. *Actes INRETS*, 299-311.
- Yeshurun, Y. & Sabo, G. (2012). Differential effects of transient attention on inferred Parvocellular and Magnocellular processing. *Vision Research*, 74, 21-29.
- Yeshurun, Y. & Marciano, H. (2013). Degraded stimulus visibility and the effects of perceptual load on distractor interference. *Frontiers in Psychology*, 4:289. doi: 10.3389/fpsyg.2013.00289
- Baruch, O., Yeshurun, Y., shore, D. (2013). Space and time: An impact of spatial separation, apparent motion, and perceptual grouping on TOJ performance. *Perception*, 42(5), 551-561.

- Eitam, B., Yeshurun, Y. & Hassan, K. (2013). Blinded by Irrelevance: Pure Irrelevance Induced 'Blindness'. *Journal of Experimental Psychology: Human Perception and Performance*, 39(3), 611-615.
- Baruch, O. & Yeshurun, Y. (2014). Attentional attraction of receptive fields can explain spatial and temporal effects of attention. *Visual Cognition*, 22(5), 704-736.
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