

# Tirta Susilo

## Curriculum Vitae

### Contact

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### Employment

2015–                                      Lecturer, Victoria University of Wellington, New Zealand.  
2014                                         Adjunct Assistant Professor, Dartmouth College, USA.

### Education & Training

2011–2015                                      Postdoctoral Associate, Dartmouth College, USA.  
2006–2011                                      PhD, Australian National University, Australia.  
2005    BSc(Hons), University of Queensland, Australia.  
1998–2003                                      BEng, Parahyangan Catholic University, Indonesia.

### Publications

Romanska, A., Rezlescu, C., **Susilo, T.**, Duchaine, B., & Banissy, M. J. (in press). High frequency transcranial random noise stimulation enhances perception of facial identity. *Cerebral Cortex*.

Yang, H., **Susilo, T.**, & Duchaine, B. (in press). The anterior temporal face area contains invariant representations of identity that can persist despite the loss of right FFA and OFA. *Cerebral Cortex*.

**Susilo, T.**, Yang, H., Potter, Z., Robbins, R., & Duchaine, B. (2015). Normal body perception despite the loss of right fusiform gyrus. *Journal of Cognitive Neuroscience*, *27*(3), 614-622.

Rezlescu, C.\*, & **Susilo, T.\*** (2014). What can the Thatcher illusion tell us about face processing in the brain? Commentary on Psalta, Young, Thompson, and Andrews (2014). *Frontiers in Human Neuroscience*, *8*, 289. (\* = joint first authors)

Rezlescu, C.\*, **Susilo, T.\***, Barton, J. J. S., & Duchaine, B. (2014). Normal social evaluations of faces in acquired prosopagnosia. *Cortex*, *50*, 200-203. (\* = joint first authors)

**Susilo, T.** & Duchaine, B. (2013). Dissociations between faces and words: comment on Behrmann and Plaut. *Trends in Cognitive Sciences*, *17*(11), 545.

**Susilo, T.**, Rezlescu, C., & Duchaine, B. (2013). The composite effect for inverted faces is reliable at large sample sizes and requires the basic face configuration. *Journal of Vision*, *13*(13), 14.

**Susilo, T.**, Germine, L., & Duchaine, B. (2013). Face recognition ability matures late: Evidence from individual differences in young adults. *Journal of Experimental Psychology: Human Perception and Performance*, *39*(5), 1212-1217.

**Susilo, T.**, Yovel, G., Barton, J. J. S., & Duchaine, B. (2013). Face perception is category-specific: Evidence from normal body perception in acquired prosopagnosia. *Cognition*, *129*, 88-94.

**Susilo, T.** & Duchaine, B. (2013). Advances in developmental prosopagnosia research. *Current Opinion in Neurobiology*, *23*(3), 423-429.

Dennett, H., McKone, E., Edwards, M., & **Susilo, T.** (2012). Face aftereffects predict individual differences in face recognition ability. *Psychological Science*, *23*(11), 1279-1287.

**Susilo, T.**, McKone, E., Dennett, H., et al. (2011). Face recognition impairments despite normal holistic processing and face space coding: Evidence from a case of developmental prosopagnosia. *Cognitive Neuropsychology*, *27*(8), 636-664.

**Susilo, T.**, McKone, E., & Edwards, M. (2010). Solving the upside-down puzzle: Why do upright and inverted face aftereffects look alike? *Journal of Vision*, *10*(13):1, 1-16.

**Susilo, T.**, McKone, E., & Edwards, M. (2010). What shape are the neural response functions underlying opponent coding in face space? A psychophysical investigation. *Vision Research*, *50*, 300-314.

**Susilo, T.**, Crookes, K., McKone, E., & Turner, H. (2009). The composite task reveals stronger holistic processing in children than adults for child faces. *PLoS ONE*, *4*(7), e6460.

Leigh, A.\* & **Susilo, T.\*** (2009). Is voting skin-deep? Estimating the effect of candidate ballot photographs on election outcomes. *Journal of Economic Psychology*, *30*, 61-70. (\* = joint first authors)

## Conference Presentations

Guo, J., **Susilo, T.**, & Duchaine, B. (2015). Decreased activation to faces in lateral occipital cortex in acquired prosopagnosia. Poster at 15th Vision Science Society Meeting, Naples, FL.

Rezlescu, C., **Susilo, T.**, & Caramazza, A. (2015). What is holistic processing, and is it related to face perception? Talk at 15th Vision Science Society Meeting, Naples, FL.

Duchaine, B., **Susilo, T.**, Wright, V., & Tree, J. (2014). Do face and word recognition deficits co-mingle? A study of four acquired prosopagnosics. Poster at 14th Vision Science Society Meeting, St. Petersburg, FL.

Tree, J., **Susilo, T.**, Wright, V., Duchaine, B., & Bate, S. (2014). Do face and word recognition dissociate? A return to an old hypothesis with some new data from prosopagnosia. Talk at 2014 Experimental Psychology Society Meeting, Kent, UK.

**Susilo, T.** (2014). Is the fusiform body area necessary for visual body perception? Datablitz at 2nd Social Brain Sciences Symposium, Boston, MA.

Duchaine, B., **Susilo, T.**, & Yang, H. (2013). Normal body perception without the right fusiform body area. Poster at 13th Vision Science Society Meeting, Naples, FL.

**Susilo, T.** & Duchaine, B. (2013). Individual differences reveal no disproportionate inversion effect for faces. Poster at 13th Vision Science Society Meeting, Naples, FL.

Yang, H., **Susilo, T.**, & Duchaine, B. (2013). Normal sensitivity to facial identity in right anterior inferotemporal face-selective region in the absence of right fusiform face area. Poster at 13th Vision Science Society Meeting, Naples, FL.

Rezlescu, C., **Susilo, T.**, Barton, J., & Duchaine, B. (2012). Social perception in acquired prosopagnosia. Poster at 12th Vision Science Society Meeting, Naples, FL.

**Susilo, T.** & Duchaine, B. (2012). The face inversion effect: Do group differences and individual differences agree? VSS Satellite: Individual Differences in Vision. Micro-talk at 12th Vision Science Society Meeting, Naples, FL.

**Susilo, T.**, Garrido, L., Cook, R., Yovel, G., Barton, J., & Duchaine, B. (2012). Dissociations of face and body perception in acquired prosopagnosia. Poster at 12th Vision Science Society Meeting, Naples, FL.

Dennett, H., McKone, E., Edwards, M., & **Susilo, T.** (2011). Face adaptation aftereffects predicts face recognition ability: Evidence from individual differences. Poster at 11th Vision Science Society Meeting, Naples, FL.

**Susilo, T.** & McKone, E. (2010). Impaired face recognition despite normal face space coding and holistic processing: Evidence from a developmental prosopagnosic. Poster at 10th Vision Science Society Meeting, Naples, FL.

**Susilo, T.**, McKone, E., & Edwards, M. (2009). Solving the upside-down puzzle: Inverted face aftereffects derive from shape-generic rather than face-specific mechanisms. Talk at 9th Vision Science Society Meeting, Naples, FL.

Susilo, T., **McKone, E.**, & Edwards, M. (2009). Inverted face aftereffects derive from shape-generic rather than face-specific mechanisms. Talk at 36th Australian Experimental Psychology Society, Woolongong, Australia.

Susilo, T., **McKone, E.**, & Edwards, M. (2008). Psychophysical evidence for linear tuning curves coding face attributes. Talk at 5th Asia Pacific Conference on Vision, Brisbane, Australia.

**Susilo, T.**, McKone, E., & Edwards, M. (2008). Adaptation aftereffects reveal norm-based coding for upright and inverted faces. Poster at 8th Vision Science Society Meeting, Naples, FL.

**Susilo, T.**, McKone, E., & Edwards, M. (2007). Norm-based coding of inverted faces revealed by adaptation aftereffects. Poster at 15th Object Perception, Attention, and Memory Workshop, Long Beach, CA.

**Susilo, T.**, Snadden, D., & Stone, V. (2007). Exploring caricatures of the human body. Poster at 34th Australian Experimental Psychology Society, Canberra, Australia.

## Invited Talks

*What can face perception tell us about how the mind and brain work?*

School of Psychology, Victoria University of Wellington, New Zealand, October 2014.

*The functional organization of face and object processing: Insights from prosopagnosia.*

Vision Sciences Laboratory, Harvard University, USA, September 2013.

*The functional organization of face and object processing: Insights from prosopagnosia.*

Kanwisher Laboratory, Massachusetts Institute of Technology, USA, August 2013.

*Are category-selective regions necessary for normal perception of their preferred stimuli?*

Nakayama Laboratory, Harvard University, USA, February 2013.

*The face composite effect is not abolished for inverted faces.*

Nakayama Laboratory, Harvard University, USA, January 2013.

*Investigating multiple aspects of social perception in faces.*

Nakayama Laboratory, Harvard University, USA, March 2012.

*What can face aftereffects tell us about face representations in the human visual system?*

Social Brain Sciences Meeting, Dartmouth College, USA, May 2011.

## Editorial Service

### *Editorial Board*

Visual Cognition

### *Ad-hoc Reviewer*

Attention, Perception, and Psychophysics

Cerebral Cortex

Cognition

Cortex

Cognitive Neuropsychology

Developmental Psychology

Developmental Science

Journal of Autism and Developmental Disorders

Journal of Cognitive Neuroscience

Journal of Experimental Child Psychology

Journal of Experimental Psychology: Human Perception and Performance  
Journal of Vision  
Leadership Quarterly  
Neuropsychologia  
Perception  
PLoS ONE  
Psychonomic Bulletin and Review  
Political Psychology  
Quarterly Journal of Experimental Psychology  
Social Neuroscience  
Vision Research

## Teaching Experience

*Dartmouth College, 2011–2014*

### **PSYC 28 / COGS 2 Cognition, Instructor, Spring 2014.**

This course surveys the study of human attention, perception, memory, language, thought, and decision making from the viewpoint of information processing. In discussing research in cognitive psychology, substantial contact is made with other related sciences such as linguistics, neuroscience, economics, sociology, evolutionary biology, computer science, and philosophy. Topics include visual attention, object perception, face recognition, mental imagery, concepts, intelligence, heuristics and biases, moral cognition, language in human and non-human animals, happiness, consciousness, and evolution.

### **PSYC 86 Selective Developmental Disorders, Facilitator, 2011–2013.**

Traditional cognitive neuropsychology relies on selective deficits in brain-damaged patients to reveal the organization of the mind, but many selective deficits due to failures of development have been identified in recent years. These include deficits with color, faces, objects, spatial abilities, music, language, reading, number, and memory. This seminar covers the theoretical basis of selective deficits, the cognitive and neural profiles of selective developmental deficits, and the general implications of selective developmental deficits and the research opportunities they present.

### **PSYC 53 Social Perception, Guest Lecturer, 2011–2013.**

This course examines social perception in humans and other species, discussing recent developments in face perception, body perception, trait perception, biological motion perception, voice perception, and other types of social perception in non-human animals. The course draws on multiple approaches including psychophysics, neuropsychology, single-cell recording, transcranial magnetic stimulation, functional neuroimaging, and twin studies.

*Australian National University, 2006–2009*

### **PSYC 1003 Introduction to Psychology 1, Teaching Fellow, 2007–2008.**

This course gives a general introduction to cognitive psychology, neuroscience, and experimental design and statistics.

**PSYC 1004 Introduction to Psychology 2, Teaching Fellow, 2007-2008.**

This course gives a general introduction to developmental psychology, social psychology, and personality psychology.

**PSYC 2007 Biological Basis of Behavior, Teaching Fellow, 2007.**

This course introduces behavioral and systems neuroscience and the brain mechanisms underlying behavior. Topics include general organization of the brain; evolution and development of the nervous system; structure and function of the cerebral cortex; sensory systems; motor control; hormonal control; higher order functions such as memory.

**PSYC 2008 Visual Perception and Cognition, Teaching Fellow, 2006–2009.**

The course covers classic and contemporary issues in visual perception and cognition. Topics include the theoretical approaches in visual perception; the methodologies of cognitive psychology, cognitive neuropsychology, and cognitive neuroscience; organization of visual neurons; conceptual and clinical implications of multiple and parallel visual pathways; perceptual constancies and sensory and perceptual illusions; object and face recognition; visual memory; visual imagery.

**PSYC 2009 Quantitative Methods in Psychology, Teaching Fellow, 2007–2009.**

This course introduces quantitative techniques used in psychological research and practice, such as applications of statistic techniques in the design and analysis of experiments and surveys, and construction and applications of techniques of psychological measurement in experiments and surveys.

**PSYC 3015 Issues in Cognitive Psychology, Lecturer, 2007–2008.**

This course builds on PSYC 2008 and examines cognitive issues of contemporary interest. Topics include memory; social cognition; language and dyslexia; face perception and prosopagnosia; executive functioning.

**PSYC 3018 Advanced Research Methods, Teaching Fellow, 2008–2009.**

This course builds on PSYC 2009. Topics include the measurement of psychological constructs; experiments and survey designs; analysis of variance; simple and multiple regression; general linear model.

## Undergraduate Mentoring

*Dartmouth College, 2011–now.*

Amy Bray, Lulu Chang, Audrey Chow, Jessica Gerson, Ryan Hyon, Ishita Kala, Lisa Masini, Zachary Potter, Addison Spencer, Ronald Sutton Jr., Natalia Zbib.

## Professional Membership

Association of Psychological Science  
Vision Sciences Society

## References

Bradley Duchaine  
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Jay Hull  
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Elinor McKone  
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