

# YI-CHIA CHEN

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## ACADEMIC APPOINTMENT

2020–Present    Postdoctoral Scholar, University of California, Los Angeles (Advisor: Hongjing Lu)

2017–2019      Postdoctoral Fellow, Harvard University (Advisor: George Alvarez)

## EDUCATION

2017      Yale University      Ph.D. in Cognitive Psychology (Advisor: Brian Scholl)

2011      National Taiwan University      B.S. in Psychology (Advisor: Su-Ling Yeh)

## PUBLICATIONS

Chen, Y. -C., Pollick, F. E., Lu, H. (under review). Aesthetic preferences for causality in biological movements arise from visual processes.

Colombatto, C., Chen, Y. -C., & Scholl, B. J. (under review). Perceived gaze dynamics in social interactions can alter (and even reverse) the perceived temporal order of events.

Chen, Y. -C., Deza, A., & Konkle, T. (under review). How big should this object be? Perceptual influences on viewing-size preferences.

Chen, Y. -C., Chang, A., Rosenberg, M. D., Feng, D., Scholl, B. J., & Trainor, L. J. (under review). Are you the sort of person who would like this?: The typicality of aesthetic taste for everyday scenes and sounds.

Forman, I. R., Chen, Y. -C., Scholl, B. J., & Alvarez, G. A. (2021). The center cannot hold: Variations of frame width help to explain the ‘inward bias’ in aesthetic preferences. *Attention, Perception, & Psychophysics*, 83, 2151–2158.

Colombatto, C., Chen, Y. -C., & Scholl, B. J. (2020). ‘Gaze deflection’ reveals how gaze cueing is tuned to extract the mind behind the eyes. *Proceedings of the National Academy of the United States of America*, 117, 19825–19829.

Yousif, S. R., Chen, Y. -C., & Scholl, B. J. (2020). Systematic angular biases in the representation of visual space. *Attention, Perception, & Psychophysics*, 82, 3124–3143.

Chen, Y. -C., Colombatto, C., & Scholl, B. J. (2018). Looking into the future: An inward bias in aesthetic experience driven only by gaze cues. *Cognition*, 176, 209-214.

Chen, Y. -C., & Scholl, B. J. (2016). The perception of history: Seeing causal history in static shapes induces illusory motion perception. *Psychological Science*, 27, 923-930.

Chen, Y. -C., & Scholl, B. J. (2014). Seeing and liking: Biased perception of ambiguous figures consistent with the 'inward bias' in aesthetic preferences. *Psychonomic Bulletin & Review*, 21, 1444-1451.

Chen, Y. -C., & Yeh, S. -L. (2012). Look into my eyes and I will see you: Unconscious processing of human gaze. *Consciousness & Cognition*, 21, 1703-1710.

## MANUSCRIPTS

Colombatto, C., Chen, Y. -C., van Buren, B., & Scholl, B. J. (in preparation). From eyes to minds: Perceiving perception, and attending to attention.

Chen, Y. -C., Pollick, F. E., Lu, H. (in preparation). What makes an elegant walk: Aesthetic preferences for prototypical movements in human walking actions.

## CONFERENCE PAPERS

Chen, Y. -C., Pollick, F., & Lu, H. (2021). Aesthetic experience is influenced by causality in biological movements. Talk presented at the 2021 Annual Meeting of the *Cognitive Science Society (CogSci)*, 7/28, World Wide Web, Earth.

Deza, A., Chen, Y. -C., Long, B., & Konkle, T. (2019). Accelerated texforms: Alternative methods for generating unrecognizable object images with preserved mid-level features. Poster presented at the *Conference on Cognitive Computational Neuroscience (CCN)*, 9/15, Berlin, Germany.

Huang, T. -H., Kao, C. -T, Chen, Y. -C., Yeh, S. -L., & Chen, H. H. (2012). A visibility model for quality assessment of dimmed images. Poster presented at the *International Workshop on Quality of Multimedia Experience (QoMEX)*, 7/06, Yarra Valley, Australia.

## CONFERENCE PRESENTATIONS

Chen, Y. -C., Pollick, F. E., & Lu, H. (2021). Aesthetic experience is influenced by causality in biological movements. Poster presented at the 2021 Virtual Meeting of *Vision Sciences Society (V-VSS)*, 5/24, World Wide Web, Earth.

Colombatto, C., Chen, Y. -C., & Scholl, B. J. (2021). Gazing to look vs. gazing to think: Gaze cueing is modulated by the perception of others' external vs. internal attention. Poster presented at the 2021 Virtual Meeting of *Vision Sciences Society (V-VSS)*, 5/23, World Wide Web, Earth.

Chen, Y. -C., Deza, A., & Konkle, T. (2020). How big should this object be? Perceptual influences on viewing-size preferences. Poster presented at the 2020 Virtual Meeting of *Vision Sciences Society (V-VSS)*, 6/19-24, World Wide Web, Earth.  
[Postdoc Travel Award]

Chen, Y. -C., Deza, A., & Konkle, T. (2020). How big should this object be? Perceptual influences on viewing-size preferences. Talk given at the 6th *Visual Properties Driving Visual Preference (VPDVP)* Workshop, 6/12, World Wide Web, Earth.

Chen, Y. -C., Chang, A., Rosenberg, M. D., Scholl, B. J., & Trainor, L. J. (2019). Are you the sort of person who would like this? Quantifying the typicality of aesthetic taste across seeing and hearing. Talk given at the 2019 Annual Meeting of *Vision Sciences Society (VSS)*, 5/20, St. Pete Beach, FL, USA.

Yousif, S. R., Chen, Y. -C., & Scholl, B. J. (2019). Systematic biases in the representation of visual space. Poster presented at the 2019 Annual Meeting of *Vision Sciences Society (VSS)*, 5/20, St. Pete Beach, FL, USA.

Chen, Y. -C., Colombatto, C., & Scholl, B. J. (2018). Looking into the future: An inward bias in aesthetic experience driven only by gaze cues. Poster presented at the 2018 Annual Meeting of *Vision Sciences Society (VSS)*, 5/23, St. Pete Beach, FL, USA.

Yousif, S., Chen, Y. -C., & Scholl, B. J. (2018). The origin of spatial biases: Memory, perception, or action? Poster presented at the 2018 Annual Meeting of *Vision Sciences Society (VSS)*, 5/23, St. Pete Beach, FL, USA.

Colombatto, C., Chen, Y. -C., & Scholl, B. J. (2018). Gaze cueing is tuned to extract the mind behind the gaze: Investigations of 'gaze deflection'. Talk given at the 2018 Annual Meeting of *Vision Sciences Society (VSS)*, 5/19, St. Pete Beach, FL, USA.

Colombatto, C., Chen, Y. -C., & Scholl, B. J. (2017). Gaze cueing is tuned to extract the mind behind the gaze: Investigations of 'gaze deflection'. Poster presented at the annual meeting of the *European Conference on Visual Perception (ECCVP)*, 8/29, Berlin, Germany.

Chen, Y. -C., Raila, H., & Scholl, B. J. (2017). Sad minds seeking happy stimuli: Trait happiness predicts how quickly happy faces reach visual awareness. Poster presented at the annual meeting of *Vision Sciences Society (VSS)*, 5/23, St. Pete Beach, FL, USA.

Raila, H., Chen, Y. -C., & Scholl, B. J. (2017). Unhappy people quickly promote happy faces into awareness. Talk presented at the annual meeting of the *Society for Affective Science (SAS)*, 4/29, Boston, MA, USA.

Chen, Y. -C., & Scholl, B. J. (2015). Seeing history: The perception of causal history induces illusory motion perception in static shapes. Talk presented at the *Asia-Pacific Conference on Vision (APCV)*, 7/11, Nanyang Technological University, Singapore.

[*Student Travel Award*]

Chen, Y. -C., & Scholl, B. J. (2015). The perception of history: Seeing causal history in static shapes is powerful enough to induce illusory motion perception. Poster presented at the annual meeting of *Vision Sciences Society (VSS)*, 5/19, St. Pete Beach, FL, USA.

Chen, Y. -C., & Scholl, B. J. (2014). Aesthetic influences on visual awareness?: An 'inward bias' in inattentive blindness. Talk presented at the *Asia-Pacific Conference on Vision (APCV)*, 7/21, Takamatsu, Japan.

[*Student Travel Award*]

Chen, Y. -C., & Scholl, B. J. (2014). Seeing and liking from the outside in: Consistent inward biases in visual perception and aesthetic preferences. Poster presented at the annual meeting of *Vision Sciences Society (VSS)*, 5/17, St. Pete Beach, FL, USA.

[*Best Student Poster Award*]

Chen, Y. -C., & Scholl, B. J. (2013). Seeing and liking: Biased perception of ambiguous figures based on aesthetic preferences for how objects should face within a frame. Poster presented at the annual meeting of *Vision Sciences Society (VSS)*, 5/10, Naples, FL, USA.

Chen, Y. -C., & Yeh, S. -L. (2011). Dissociating attention and audiovisual integration in the sound-facilitatory effect on metacontrast masking. Poster presented at the *International Multisensory Research Forum (IMRF)*, 10/19, Fukuoka, Japan.

[*Fee Exemption Award*]

Chen, Y. -C., & Yeh, S. -L. (2011). Orienting or intention? Unconscious processing of human gaze. Talk presented at the annual meeting of the *Association for the Scientific Study of Consciousness (ASSC)*, 6/12, Kyoto, Japan.

[*Travel Award*]

## HONORS

*Postdoc Travel Award (2020)*

Vision Sciences Society, World Wide Web, Earth

*Student Travel Award (2015)*

Asia-Pacific Conference on Vision, Nanyang Technological University, Singapore

*Best Student Poster Award (2014)*

Vision Sciences Society, St. Pete Beach, Florida

*Student Travel Award (2014)*

Asia-Pacific Conference on Vision, Takamatsu, Japan

*Studying Abroad Scholarship (2012)*

Taiwan Ministry of Education, Taiwan

*Fee Exemption Award (2011)*

International Multisensory Research Forum, Fukuoka, Japan

*Fa-yu Zheng Memorial Scholarship Fund (2011)*

Department of Psychology, National Taiwan University

*Bachelor Thesis Award of College of Science (2011)*

College of Science, National Taiwan University

*Travel Award (2011)*

Association for the Scientific Study of Consciousness, Kyoto, Japan

## INVITED PRESENTATIONS & WORKSHOPS

### External Presentations

2020/11/03 Aesthetic experiences: Why do we like what we like? (guest lecture)

Department of Psychology, National Taiwan University, Taipei, Taiwan.

2020/03/24 Why do we like what we like? Visual perception & individual differences in aesthetic experiences. (talk)

The Perception & Cognition Lab, Yale University, New Haven, CT.

2019/11/22 Why do we like what we like? Visual perception & individual differences in aesthetic experiences. (talk)

Department of Psychology, Johns Hopkins University, Baltimore, MD.

2019/11/07 Why do we like what we like? Visual perception & individual differences in aesthetic experiences. (talk)

Department of Psychology, Harvard University, Cambridge, MA.

2019/11/07 Why do we like what we like? Visual perception & individual differences in aesthetic experiences. (talk)

Department of Psychology, Harvard University, Cambridge, MA.

2019/07/26 Exploring (and explaining?) aesthetic experiences from the perspective of visual perception and individual differences. (talk)

Department of Psychology, University of Chicago, Chicago, IL.

- 2019/06/18 Exploring (and explaining?) aesthetic experiences from the perspective of visual perception and individual differences. (talk)  
The Pelli Lab, Department of Psychology, New York University, New York, NY.
- 2018/02/13 What do we see?: Visual aesthetics and causal history. (talk)  
The Visual Attention Lab, Brigham and Women's Hospital, Harvard University, Cambridge, MA.
- 2017/01/08 Exploring (and explaining?) aesthetic experiences from the perspective of visual perception and individual differences. (talk)  
Department of Psychology, National Taiwan University, Taipei, Taiwan.
- 2015/09/13 Seeing history. (talk)  
The *Office of Naval Research Conference on Understanding Scenes and Events.*, Lake Arrowhead, CA.

### Internal Workshops

- 2020/04/27 Web Experiment.  
Department of Psychology, UCLA, Los Angeles, CA.
- 2019/10/30 Web Development.  
The Vision Sciences Lab, Harvard University, Cambridge, MA.

### Public Outreach

- 2017/10/28 Looking into the future: How we take pictures and how we look at the world. (Short talk)  
Taiwanese Student Association, Harvard University, Cambridge, MA.

## TEACHING EXPERIENCE

### Teaching Assistantship

- |             |  |                             |
|-------------|--|-----------------------------|
| 2014 Spring | Statistics (Professor Gregory Samanez-Larkin)              | Psychology, Yale University |
| 2014 Fall   | Introduction to Psychology (Professor Marvin Chun)         | Psychology, Yale University |
| 2013 Spring | Introduction to Cognitive Science (Professor Brian Scholl) | Psychology, Yale University |

### Ad Hoc Teaching

- |                       |                                 |                                |
|-----------------------|---------------------------------|--------------------------------|
| 2020 Summer–2020 Fall | Cognitive Science Journal Club* | Psychology & Statistics, UCLA  |
| 2018 Fall–2019 Spring | Cognitive Science Journal Club* | Psychology, Harvard University |

\*Select reading materials and lead weekly discussions for 2-15 undergraduates and graduate students to provide an overview of the key literature in cognitive science.

## MENTORSHIP

### Undergraduate Students

|      |                       |                                 |                    |
|------|-----------------------|---------------------------------|--------------------|
| 2021 | Setareh Khoylow       | Cognitive Science               | UCLA               |
| 2021 | Anika Vaishampayan    | Cognitive Science               | UCLA               |
| 2021 | Jeff Chang            | Cognitive Science               | UCLA               |
| 2021 | Jaclyn Chiu           | Economics & Statistics          | UCLA               |
| 2021 | Xiaoyang Chi          | Cognitive Science & Mathematics | UCLA               |
| 2020 | Moriah Taylor         | Psychology                      | UCLA               |
| 2020 | Yiling Sophie Yun     | Cognitive Science & Statistics  | UCLA               |
| 2018 | Fenil Doshi           | Psychology                      | Harvard University |
| 2018 | Ningcong Tong         | Psychology                      | Harvard University |
| 2018 | Isabella Forman       | Psychology                      | Harvard University |
| 2016 | Daniel Matyas         | Cognitive Science               | Yale University    |
| 2016 | Evaline Xie           | Cognitive Science               | Yale University    |
| 2015 | Selena Anjur-Dietrich | Cognitive Science               | Yale University    |

## PEER REVIEW

### Conference Ad Hoc Reviewer

Annual Meeting of Cognitive Science Society

### Journal Ad Hoc Reviewer

Attention, Perception, & Psychophysics  
 Cognition  
 Consciousness and Cognition  
 Frontiers in Psychology  
 i-Perception  
 Journal of Experimental Psychology: General  
 Journal of Neuroscience  
 Journal of Vision  
 Perception  
 Review of Philosophy and Psychology  
 Scandinavian Journal of Psychology  
 Scientific Reports  
 Transactions on Applied Perception  
 Visual Cognition

## REFERENCES

|                                   |                    |  |
|-----------------------------------|--------------------|--|
| Hongjing Lu, Professor            | UCLA               | <a href="mailto:hongjing@ucla.edu">hongjing@ucla.edu</a>               |
| George A. Alveraz, Professor      | Harvard University | <a href="mailto:alvarez@wjh.harvard.edu">alvarez@wjh.harvard.edu</a>   |
| Talia Konkle, Assistant Professor | Harvard University | <a href="mailto:talia_konkle@harvard.edu">talia_konkle@harvard.edu</a> |
| Brian J. Scholl, Professor        | Yale University    | <a href="mailto:brian.scholl@yale.edu">brian.scholl@yale.edu</a>       |
| Marvin M. Chun, Professor         | Yale University    | <a href="mailto:marvin.chun@yale.edu">marvin.chun@yale.edu</a>         |