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Christopher Tyler, Smith-Kettlewell Eye
Research Institute
Andrew Watson, NASA Ames Research Center
Michael Webster, Univ. of Nevada, Reno

Important Dates

Regular submission deadline:

Extended to: 25 September 2017

Author notification:

October 2017

Conference dates:

28 January – 1 February 2018

Conference Website

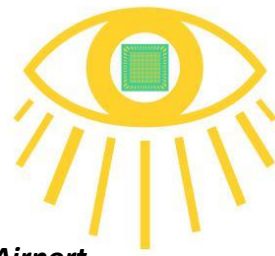
[http://www.imaging.org/site/IST/IST/
Conferences/EI/EI_2018/Conference/
C_HVEI.aspx](http://www.imaging.org/site/IST/IST/Conferences/EI/EI_2018/Conference/C_HVEI.aspx)

Human Vision and Electronic Imaging 2018

January 28 - February 1, 2018

Hyatt Regency Hotel, Burlingame, California, San Francisco Airport

http://www.imaging.org/site/IST/IST/Conferences/EI/EI_2018/Conference/C_HVEI.aspx
<http://hvei.eecs.northwestern.edu>



The conference on **Human Vision and Electronic Imaging** explores the role of human perception and cognition in the design, analysis, and use of electronic media systems. Over the years, it has brought together researchers, technologists and artists, from all over the world, for a rich and lively exchange of ideas. We believe that understanding the human observer is fundamental to the advancement of electronic media systems, and that advances in these systems and applications drive new research into the perception and cognition of the human observer. Every year, we introduce new topics through our Special Sessions, centered on areas driving innovation at the intersection of perception and emerging media technologies.

Planned Special Sessions in 2018

- *Virtual/Augmented Reality* (Mark McCourt and Kjell Brunnström)
- *Visual Intelligence, Lighting, & Materials* (Sylvia Pont)
- *Veridicality, Perception, Art, & Representation* (Claus-Christian Carbon and Huib DeRidder)
- *Eye-Movement Research for Advanced Imaging Applications* (Jeff Mulligan)

Celebratory Events Marking the 30th Anniversary of HVEI

Monday evening HVEI Banquet and Talk (details available closer to the conference); Museum excursion to San Francisco Museum of Modern Art.

HVEI Journal of Perceptual Imaging

*We are proud to announce the launch of a new journal—the [Journal of Perceptual Imaging](#)—founded and inspired by, and designed to cater to, the extended HVEI community. Starting this year, there is an option to submit to the *Journal of Perceptual Imaging* * and present your work at the conference.*

**The same September 25th deadline applies. Please select the JPI-First option during the submission.*

Conference Topics

- Fundamental and applied research in human perception and cognition, including psychophysical, neurophysiological, and computational approaches to human spatial, temporal, color, and stereo perception
- Visual, auditory, haptic, olfactory and taste perception, and cross-sensory interactions
- Perceptually-based algorithms, metrics and methods for image and video quality and compression; image and video analysis and understanding; texture, lighting, and material appearance; and rendering
- Visual cognition, including visual attention and saliency, visual search, pattern recognition, perceptual organization and semantics
- Higher-level issues in quality, quality of experience, aesthetics, emotion, and context
- Perceptual and cognitive opportunities for emerging technologies, including social networks, big data visualization, data analytics, medical imaging, mobile computing, and digital humanities
- Perception, art, and aesthetics, including fine arts and design, integrating artistic and scientific insights on perceptual phenomena

Submissions and Publications

1. All accepted papers are published in the proceedings of Electronic Imaging or the Journal of Electronic Imaging.
2. Authors must submit a 4-6-page paper with optional figures using the symposium template. Consideration for inclusion in the Journal of Perceptual Imaging has additional requirements; please see the [submission site](#).

