

The Conference

It is our pleasure to invite you to the 19th IS&T/SID Color and Imaging Conference (CIC19), November 7–11, 2011, in San José, California. CIC is the premier venue for sharing cutting-edge research in the areas of color perception, color theory, color photography, mobile imaging, display systems, printing, and color workflow.

The conference committee is constantly seeking to bring new topics to CIC and this year we would like to promote the special topics of material appearance and color-related cognitive psychology. Color in material appearance includes challenging issues involving appearance measurement and capture, material appearance modeling, appearance difference, computer generated imagery (CGI), video, 3D imaging and modeling, and object recognition and identification.

Color in cognitive psychology considers questions related to color perception, visual attention, visual salience, color memory, color preference, color categorization and color naming. Besides the color research areas covered by CIC, such as color theory, color engineering, capture, display, printing, and workflow, CIC particularly encourages submissions in these two special topic areas.

Join us for this single-track conference renowned for its high-quality, peer-reviewed presentations, where you will have the opportunity to network with color and imaging experts from around the world. This year the conference will feature a short-paper session in addition to the standard oral papers. The short papers will replace the traditional interactive papers, allowing authors a specific time slot in which to present a talk in front of their poster.

Conference participants come from varied backgrounds and research areas in industry and academia. The mixture of presentations and attendees provides exposure to new ideas; networking events allow ample opportunity to exchange views.

In addition to technical session and short courses designed for the beginner, practitioner, and veteran, we are planning a panel discussion, an evening lecture on an entertaining topic related to color imaging, and several stimulating keynotes by leading world-class experts.

Mark your calendars for November 2011 and join us in high-tech San José for CIC19!

—James Ferwerda and Geoff Woolfe,
General Chairs CIC19



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How to Submit

Original work on a relevant topic will be considered by the Technical Program Committee when submitted in the form of a **draft paper** (2,000–3,500 words, including 750 words on results) **by April 10, 2011.**

Submit papers to:
www.imaging.org/IST/newpapers/CIC19/authors

Papers should represent unpublished work, provide a clear indication of originality, contain at least preliminary results, and include references to prior work. Electronic submissions as noted above are preferred. If you cannot submit your paper electronically, contact color@imaging.org.

A double-blind review process will be used to select papers based on **criteria including technical soundness, novelty, and relevance to the color imaging community.** Final decisions on acceptance and presentation format (oral or short paper) are at the discretion of the Technical Program Committee.

Please note: This year CIC will discontinue interactive/poster papers in favor of a short-paper session, whereby authors with short papers will have designated times to present their paper via a poster and talk to attendees at the conference.

Notices of acceptance will be sent out in early June. Upon acceptance, instructions will be provided for the preparation of the full paper, which will be published in the conference proceedings.

Final papers are due September 11, 2011. Direct all submission inquiries to Diana Gonzalez at +1-703-642-9090 x106 or color@imaging.org. Visit www.imaging.org/IST/conferences/CIC/index.cfm for further details.

Join us on LinkedIn!

Search LinkedIn for
"Color and Imaging Conference".



Nineteenth Color and Imaging Conference

Color Science and Engineering
Systems, Technologies, and Applications



13th International Symposium on
Multispectral Color Science

November 7-11, 2011
San José, California

Abstract Deadline:
April 10, 2011

www.imaging.org/ist/conferences/cic/index.cfm

Sponsored by
Society for Imaging Science and Technology and
Society for Information Display

Cooperating Societies
Inter-Society Color Council (ISCC)
Imaging Society of Japan (ISJ)
The Colour Group (Great Britain)
Society of Motion Picture and Television Engineers (SMPTE)
Society of Photographic Science and Technology of Japan (SPSTJ)

CIC19 AND MCS'11 CONFERENCE TOPICS:

Technical papers are invited in, but not limited to, the following:

- **Image Quality:** Color rendering, color difference metrics, spatial color, visual psychophysics, image quality metrics, color preference, memory colors, color fidelity
- **Color Theory:** Spectral color, color science, colorimetry, uniform color spaces, expanded color spaces, color difference, color appearance models, color constancy, animal color vision, color modeling, color distribution in the universe
- **Visual Cognitive Psychology:** Color perception, visual salience, object recognition, visual attention, psychological effects of color, color preference, color feeling, color and immersion, spatial and temporal color vision, appearance effects beyond color, color harmony
- **Material Appearance:** Appearance capture, material appearance modeling, computer generated imagery (CGI), material appearance difference metrics, texture, spatial color models, color in camouflage, color in automotive applications, color from paints, coatings, and nano-materials
- **Color Imaging:** Novel color imaging sensing, color in high-dynamic range imaging, multi-band images, color scanners, new technology for color displays, mobile color imaging, special effects color printing, multi-ink printing, effects of diverse print media on color, color gamut mapping, color in micro-projectors, multi-primary displays, spatio-temporal color displays, computational photography, color image processing of video and still images, color from capture to display/hard-copy, color in video broadcasting, influence of color processing on perceived color, high dynamic range color image processing, spectral color processing, pseudo-color and data visualization, material appearance
- **Illumination:** Color mixing, pixilated lamps, light projection, low resolution color image rendering, color image projection on curved surfaces, multi-primary color reproduction, color rendering on colored surfaces, multi-illumination imaging, capturing reflectance spectra of surfaces, metamerism, atmosphere creation, new lighting technologies, environmental lighting
- **Specific Color Applications:** Color in medical imaging, color in dental imaging, color in biomedical prosthetics, material appearance, color in computer graphics, color in computer vision, color in food, color in human computer interaction, color in user interfaces, color in security applications, color in 3D, 3D printing, color in computer graphics, data visualization and projection
- **Multispectral Color Science:** Spectral image capture, processing, and analysis; spectral image quality; spectral image visualization, display, and reproduction; spectral optimization of light sources and displays; spectral image applications

Conference Committee

General Chairs

James A. Ferwerda
Munsell Color Science Lab/RIT
Geoff J. Woolfe
Canon Information Systems
Research Australia Pty. Ltd.
(CISRA)

Short Paper Chairs

Nicolas Bonnier
Océ Print Logic Technologies
Yonghui (Iris) Zhao
Xerox Corporation

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Technical Program Chairs

Stephen Westland
University of Leeds
Xuemei Zhang
Apple Computer

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General and Technical
Program Chairs, plus
Suzanne E. Grinnan, IS&T
Robert Buckley, Rob Buckley
Consulting (IS&T Rep.)
Louis Silverstein, VCD
Sciences, Inc. (SID Rep.)

Short Course Chairs

Vien Cheung
University of Leeds
Max Derhak
Onyx Graphics

Instructions for submitting papers are found
on the reverse side of this flyer.

Papers given at CIC18 in 2010 may be viewed at
<http://river-valley.tv/conferences/cic18>

Short Course Instructors Sought

Once again, an international array of distinguished presenters will teach courses on color-related topics to CIC participants. Areas include medical imaging, color vision, appearance, image quality, and color imaging technologies, measurement, applications, and systems. Those interested in presenting a course should send proposals to the Short Course Chairs at t.l.v.cheung@leeds.ac.uk and max.derhak@onyxgfx.com. The schedule of classes, currently planned for Monday and Tuesday, will be published in the preliminary program.

COLLOCATED EVENTS

MCS'11

13th International Symposium on Multispectral Color Science

Papers given during the MCS symposium focus on state-of-the-art multispectral color science, as well as address major challenges and future directions within the field. Organized since 1999, these symposiums have often been held under the auspices of a larger, international conference and incorporated into the papers program of that meeting. This year, MCS is finally coming to CIC!

Submission guidelines for MCS'11 are the same as for CIC19. Topics covered within MCS'11 are listed in the box to the left. More information on MCS can be found at www.multispectral.org.

ISCC: Revisiting Color Spaces

On the Saturday following CIC19, the Inter-Society Color Council (ISCC) and IS&T will run the joint meeting "Revisiting Color Spaces" in honor of the 15th anniversary of the publication of sRGB. This meeting will revisit sRGB, as well as other color spaces, and debate the need for expanded sets of color specifications and standards for interchange in the light of the growth of multi-primary, multispectral, and HDR imaging. Key topics will include color spaces, transformations, and image formats; applications; workflow; standards; devices; and implication for color management.

To submit a paper to Revisiting Color Spaces, please contact Francisco Imai at francisco.imai@gmail.com. There will be a separate registration fee for this meeting.

THE VENUE: San José, CA

The charming and historic Sainte Claire Hotel in the heart of downtown San José, California will host CIC19. The San José Airport (SJC) is located three miles from the hotel; you may also fly into San Francisco (SFO). There are direct flights from 22 US cities to SJC including, Boston, Chicago, Denver, Dallas, Honolulu, LA, New York, and Phoenix. For more information, visit <http://www.flysanjose.com/>.