CIC27

Twenty-seventh Color and Imaging Conference

Color Science and Engineering
Systems, Technologies, and Applications

21-25 October 2019
Paris, France

Collocated event: 21st International Symposium on Multispectral Colour Science

Submission deadline: 7 April 2019

JIST-first deadline: 24 March 2019

www.imaging.org/color

A WEEK FOCUSED ON COLOR

Join us for a week of color-related courses, workshops, paper presentations, exhibits, and interesting conversations around technical topics and application areas related to color!

This year we will hold two tracks of short courses on Monday, four tracks on Tuesday until mid-afternoon, followed by workshops, then three full days of keynote talks and technical papers.

Get your submissions ready, consider sharing your expertise through a short course or workshop, help us get the word out, and prepare for a great week in Paris! We're looking forward to seeing you and enjoying an excellent conference together.

CIC27 CONFERENCE COMMITTEE

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and those with (*) in the list above

Join us on LinkedIn! Search for "Color and Imaging Conference"

IMPORTANT CONFERENCE INFORMATION

- **Best Paper Awards:** The following awards are given at CIC:
  - Best Student Paper Award
  - Best Paper Award
  - Cactus Award for Best Interactive Paper

- **Workshops:** CIC27 workshops will take place Tuesday afternoon, October 22. Please plan to attend these complementary additions to the program. More information is found under the list of conference and workshop topics (see reverse side).

- **Short Courses:** The conference offers an extensive array of classes taught by world-renowned experts, including the one-day intensive *Color, Vision, and Basic Colorimetry*. If you are interested in teaching a class on Monday or Tuesday, October 21 or 22, please contact color@imaging.org.

- **Demonstration Session:** Authors are invited to participate in the demonstration session where they showcase software, hardware, samples of materials produced, etc., related to their oral or interactive paper topic(s).

- **CIC Exhibit/Sponsorship:** The CIC Exhibit, held Wednesday and Thusday, October 23 and 24, provides an opportunity to highlight your company to an audience of world-class color systems experts. Space is limited. Sponsorship increases awareness of your company. A number of exhibition configuration and/or sponsorship opportunities have been arranged. Contact Donna Smith (dsmith@imaging.org) for details.

- **Release of Preliminary Conference Program:** Summer 2019.

- **Lodging:** Details will be released in Summer 2019; check the conference website for the latest information.

- **Travel:** Charles de Gaulle Airport (CDG), also known as Roissy Airport, serves Paris. There are also numerous train options serving destinations all over Europe.

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CIC27 CONFERENCE AND WORKSHOP TOPICS
Technical papers are invited in, but not limited to, the following:

- **Color Perception:** Visual adaptation, visual psychophysics, color blindness, inter-observer differences, salience and attention, psychological effects of color, spatial and temporal color vision, color semiotics, color harmony, memory color, animal color vision

- **Capture, Display, and Print:** Image capture, 360° capture, color imaging sensing, multi-modal capture, multi-primary displays, mobile color imaging, special effects color printing, multi-ink printing, high dynamic range (HDR) color imaging, pseudo-color and data visualization, color imaging workflows

- **Material Appearance and Color:** Material capture, appearance reproduction, and modeling (gloss, translucence, etc.), color 3D printing, color in 3D, 3D CAD modeling, 3D scanning, spatial color models, computer generated imagery (CGI)

- **Color in Illumination and Lighting:** Color rendering, color mixing, light projection, metamerism, multi-illumination imaging, atmosphere, quality of light

- **Color Theory:** Color science, colorimetry, uniform color spaces, expanded color spaces, color difference, color appearance models, color constancy, color modeling, color distribution in the universe, color and psychophysics

- **Image Quality:** Image quality, color image processing, color gamut mapping, computational imaging, color difference metrics, color preference, color fidelity

- **Multispectral Imaging:** Spectral image capture, processing and analysis, spectral image quality, spectral image visualization, display and reproduction, spectral optimization of imaging systems, spectral image applications

- **Specific Color Applications:** Cultural heritage applications, color in cinema and broadcast video, AR/VR/MR (augmented, virtual, and mixed reality), user interfaces, computer graphics, computer vision, video games, medical and dental imaging, biomedical prosthetics, security applications, camouflage, automotive applications, paints, coatings, nano-materials

CIC27 CALL FOR WORKSHOPS
CIC27 workshops will take place the afternoon of Tuesday, 22 October and are scheduled for 2.5 hours.

Submissions for workshop topics should be sent to color@imaging.org. Please put "CIC27 Workshop Proposal" and your last name in the subject line. Topics should be of timely interest and might include subjects related to cultural heritage applications; artistic photography and photo printing; cinema; AR/VR/MR (augmented, virtual, and mixed reality); 360° capture; deep learning; machine learning; material appearance; temporal color perception; gaming; medical applications, or any other subject included in the conference topics. Please include a general description of the topic to be covered, the format of the workshop (*i.e.*, short papers; panel discussion; hands-on; etc.), and list of confirmed or potential speakers/moderators. Workshop proposals are due **7 April 2019.**

HOW TO SUBMIT / NOTE JOURNAL OPTION

Authors have the option to submit either a traditional conference paper, which will be published in the proceedings only, or a paper that will first appear in the *Journal of Imaging Science and Technology* (JIST) and in the proceedings as a reprint (citation is for journal).

How to Submit Conference Proceedings Papers
Original work on relevant topics will be considered by the CIC Review Committee when submitted in the form of a 4-6 page draft paper by **7 April 2019**.

Submit papers via
www.imaging.org/color
Papers should represent unpublished work, provide a clear indication of originality, contain at least preliminary results, and include references to prior work.

A double-blind review process is used to select papers based on *criteria including technical soundness and novelty.* Final decisions on acceptance and presentation format (oral or interactive paper) are at the discretion of the Technical Program Committee. Notices of acceptance will be sent out in early June. Upon acceptance, instructions are provided for the preparation of the full paper, which is published in the conference proceedings.

Final manuscripts are due no later than 3 September 2019.
Direct submission inquiries to Katrina Bird (cic-papers@imaging.org).

How to submit a journal-first paper
Journal papers differ from conference papers in that they meet the standards of a peer-reviewed journal in terms of scope, originality, relevance of topic, completeness of background and references to prior work, completeness of results and discussion, and quality of language. Refer to the JIST *Author Guidelines and Information* via www.imaging.org/color.

JIST-first CIC27 papers are due by **24 March 2019** and are fast-tracked for review. Accepted papers are published in the journal, appear in the CIC proceedings as reprints, and are presented at CIC within the technical papers program. Decisions and requests for revision, if required, will be sent to authors by mid-May. Revisions of provisionally accepted papers are due within 10 days following the decision letter. Upon acceptance of papers, first authors will register for CIC per JIST requirements. Rejected papers will be reviewed for possible inclusion in CIC using the conference submission criteria.

Submit JIST-first papers via jist.msubmit.net

COLLOCATED EVENT

MCS'19, the 21st International Symposium on Multispectral Colour Science, will be collocated with CIC27. The general chair for MCS'19 is Markku Hauta-Kasari, head of the School of Computing, University of Eastern Finland.

THE VENUE: PARIS, FRANCE

France's beautiful capital hosts CIC27. Details on the event venue and lodging options will be posted on the conference webpage as they become available and will be found in the preliminary program, which will be released in late June 2019.