

A WEEK OF COLOR AND MORE

We are very excited to be bringing CIC to Chiba, Japan, home of Chiba University. Chiba University has been an integral part of the Color and Imaging Conference since its inception and it is an honor to host CIC in Asia for the first time and in Chiba, specifically.

This year's conference provides a wealth of ways to extend your network and the reach of your work thanks to some exciting collocated events. As in past years, CIC will collocate with ICC DevCon 2020 and the 20th International Conference on Multispectral Colour Science. New this year is co-location with the Printing for Fabrication and the International Conference on Advanced Imaging (ICAI) event. We encourage you to review details at www.imaging.org/print4fab to see the breadth of topics the Print4Fab and ICAI conferences cover, as well as learn about the other Societies and groups involved.

We're looking forward to seeing you and enjoying an excellent conference together. Submit your work today!

CIC28 CONFERENCE COMMITTEE

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Suzanne Grinnan, IS&T (USA)
and those with (*) in the list above

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

IMPORTANT CONFERENCE INFORMATION

- The following awards are given at CIC:
 - Best Student Paper Award**
 - Best Paper Award**
 - Cactus Award for Best Interactive Paper**
- 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 2-3 November, please fill out the proposal form found at bit.ly/IST_SCProposals by 1 March 2020.
- Workshops:** CIC28 workshops take place the afternoon of 3 November. Please plan to attend these complementary additions to the program. See reverse side to submit a workshop proposal.
- Demonstration Session:** Participate in the demonstration session and show software, hardware, samples of materials produced, etc., related to conference topic(s). Details on applying are announced after the submission deadline.
- CIC Exhibit/Sponsorship:** Held Wednesday and Thursday, 4-5 November, the exhibit provides an opportunity to highlight your company to an audience of world-class color systems experts. Sponsorship increases awareness. A number of exhibition and/or sponsorship opportunities are available. Contact Donna Smith (dsmith@imaging.org) for details.
- Release of Preliminary Conference Program:** early July 2020.
- Lodging:** Details will be released via the conference webpage.
- Travel:** Narita International Airport (NRT) is the primary international airport serving Tokyo and Chiba area. Both NRT and Tokyo are about a 1-hour train ride from Chiba.

CIC28 Cooperating Societies

Comité de Color – European Optical Society (EOS) – The Finnish Color Association – Forum Farge – The French Color Imaging Group – German Society of Color Science and Application (DFWG) – GI Fachbereich Graphische Datenverarbeitung – Gruppo del Colore-Associazione Italiana Colore – Imaging Society of Japan (ISJ) – IOP Printing and Graphics Science Group – Inter-Society Color Council (ISCC) – NOBIM (Norwegian Association for Image Processing and Pattern Recognition) – Swedish Colour Centre Foundation – The Colour Group (Great Britain) – The Royal Photographic Society of Great Britain/Imaging Science Group



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WWW.IMAGING.ORG/COLOR

CIC28

Twenty-eighth COLOR AND IMAGING CONFERENCE

Color Science and Engineering
Systems, Technologies, and Applications

CHIBA, JAPAN NOVEMBER 2-6

Journal-first Deadline: **1 April 2020**

Draft Paper Submission Deadline: **26 April 2020**

Accepted Papers Manuscript Deadline: **7 September 2020**

co-located with IS&T's Printing for Fabrication Conference,
ICAI 2020, DevCon2020, and MCS'20.



Sponsored by
Society for Imaging Science and Technology



CALL FOR PARTICIPATION

CIC28 CONFERENCE AND WORKSHOP TOPICS

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

- **Color Perception:** Visual adaptation, psychophysics, color vision deficiencies, 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 Theory:** Color science, colorimetry, uniform color spaces, expanded color spaces, color difference, color appearance models, color constancy, color modeling
- **Image Quality:** Image quality, color image processing, color gamut mapping, computational imaging, color preference, color fidelity, full/reduced/no reference (perceptual) image quality metrics
- **Color in Illumination and Lighting:** Color rendering, color mixing, light projection, metamerism, multi-illumination imaging, atmosphere, quality of light
- **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

CIC28 CALL FOR WORKSHOPS

CIC28 workshops will take place the afternoon of Tuesday, 3 November and are scheduled for 2.5 hours. Workshop proposals should be sent to color@imaging.org. Please put "CIC28 Workshop Proposal" and your last name in the subject line. Topics should be of timely interest and might include subjects related to cultural heritage; artistic expression; AR/VR/MR; 360° capture; deep or machine learning; material appearance; gaming; etc. Please include a general description of the topic to be covered, the format of the workshop (i.e., short papers; panel; hands-on; etc.), and list of confirmed or potential speakers/moderators. Workshop proposals are due **1 April 2020**.

HOW TO SUBMIT / NOTE JOURNAL-FIRST OPTION

Authors have the option to submit either a traditional conference paper, which will be published in the proceedings only, or a Journal-first paper to either the *Journal of Imaging Science and Technology* (JIST) or the *Journal of Perceptual Imaging* (JPI). Papers accepted to JIST or JPI will appear first in the journal and then 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 **26 April 2020**.

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 mid-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 7 September 2020.

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. See JIST and JPI *Author Guidelines and Information* at www.imaging.org/color.

Journal-first CIC28 papers are due by **1 April 2020** 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, authors will pay page charges and register for CIC per the individual journal's requirements. Rejected papers will be reviewed for possible inclusion in CIC using the conference submission criteria.

Submit JIST-first papers via jist.msubmit.net
Submit JPI-first papers via jpi.msubmit.net

COLLOCATED EVENTS



MCS'20, the 22nd International Symposium on Multispectral Colour Science, will be colocated with CIC28. The general chair for MCS'20 is Norimichi Tsumura of Chiba University.



ICC DevCon. The theme of the next International Color Consortium Developers Conference is The Future of Color Management. This one-day event, held

November 2, includes a panel of expert speakers on advanced color management topics, and an iccMAX hands-on workshop. More information: www.color.org/DevCon/devcon2020

THE VENUE: CHIBA, JAPAN

Chiba, with its traditional streets, fishing and agricultural heritage, and beautiful coastline along Tokyo Bay hosts this year's CIC. The conference takes place at the Makuhari Messe; details on the venue and nearby lodging options will be posted on the conference webpage as they become available.