



Inter-Society Color Council *News*

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Sept/Oct 2004

ISCC Extends Invitation to Participate in Upcoming Conferences

The ISCC is very excited to offer not one, but two upcoming meetings to keep you tuned in on happenings in the world of color.

Included in this newsletter are details about our Special Topics Conference on Color and Design, to be hosted by the Fashion Institute of Technology, as well as a registration form. FIT has a very active student chapter of the ISCC, which has been instrumental in the preparations for welcoming you to this conference. The Chair, Professor Meg Miele of FIT, has put together a Conference that should have something for everyone, colorfully speaking; well respected speakers, three separate student poster sessions, a wine and cheese welcome reception, tours of FIT's Color Lab and Museum, not to mention the opportunity to mix, mingle and network with a bevy of your colorful peers. And this all takes place in the exciting city of New York!

The ISCC is pleased to welcome M&M Division of MasterFoods as a conference sponsor as well as a participant in our program. We still have tables available for vendors (in the color field) and welcome additional corporate sponsors. Also, please note that poster submissions are being accepted until September 24th. Early registration continues until September 30th.

Please contact Meg Miele at Margaret_Miele@fitnyc.edu or telephone her at (212) 217-8449 if you have questions.

Also in this newsletter on pages five and six, you will find the various requests for papers for our 2005 Annual Meeting and Symposium entitled “Automotive Color and Appearance Issues” to be held in Cleveland, Ohio on April 24-27th. The Symposium Chair, Mike Henry from PPG, is accepting abstracts for a special symposium. Interest groups chairs are also accepting abstracts: Milt Hardt, Chair IG-I, Basic and Applied Research; Gary Regulski, Chair, IG-II, Industrial Applications of Color; and Marcia Cohen, Chair IG-III, Art, Design and Psychology. In addition, the Education Committee is requesting papers for their meeting.

Please continue to look for 2005 meeting information in our next newsletter as well as on our website: www.iscc.org. The ISCC appreciates the participation and support of our members as well as all those involved in the wonderful world of color.

Cynthia Sturke
ISCC Office Manager
ISCC News Associate Editor

ISCC EXECUTIVE OFFICERS

President	<i>Dr. Joanne C. Zwinkels</i> National Research Council of Canada M-36, Montreal Road Ottawa, ON K1A 0R6 Canada 613-993-9363 fax: 613-952-1394 joanne.zwinkels@nrc.ca
President-Elect	<i>Dr. Robert Buckley</i> Xerox Corporation MS 0128-30E 800 Phillips Road Webster, NY 14580 585-422-1282 fax: 585-265-7441 rbuckley@crt.xerox.com
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Mr. Sy Commanday	Techmer PM, LLC 1168 Palmour Drive Gainesville GA 30501 770-287-3929 fax: 770-287-0665 scommanday@techmerpm.com

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Ms. Britt Nordby	Degussa, Inc. 2 Turner Place P.O. Box 365 Piscataway, NJ 08855 732-981-5433 fax: 732-981-5033 britt.nordby@degussa.com
Dr. Frank O'Donnell	The Sherwin Williams Co. 601 Canal Street Cleveland, CA44113 216-515-4810 fax: 216-515-4694 fxodonnell@sherwin.com
Dr. Michael Vrhel	ViewAhead Technology 18200 NE Union Hill Rd., Ste. 120 Redmond, WA 98052 425-882-7918 fax: 425-882-4708 michael.vrhel@viewahead.com

The 2005 ISCC Godlove Award Nominations

Nominations for the 2005 Godlove Award are now being solicited, through November 1, 2004.

The Godlove Award is the most prestigious award bestowed by the Inter-Society Color Council (ISCC) to honor long-term contributions in the field of color. The Godlove Award was established in 1955 in memory of Dr. I. H. Godlove, and is presented biannually, in odd numbered years, with the next award scheduled for presentation of the 2005 ISCC Annual Meeting.

Candidates will be judged by their contribution to any field of interest related to color, whether or not it is represented by an ISCC Member-Body. The candidate's contribution may be direct, it may be in the active practical stimulation of the application of color, or it may be an outstanding dissemination of knowledge of color by writing or lecturing, based on original contributions of the nominee. Candidates need not have been active in the affairs of the ISCC, but they must be either current or former members of the ISCC. All candidates must have at least five (5) years of experience in their particular field of color.

A Godlove Award Nomination Form is enclosed with this mailing of the ISCC Newsletter. The past and present membership of the ISCC boasts a number of individuals deserving of such recognition but such an award requires your participation in the process. Please take the time to consider and to nominate a worthy candidate for this honor.

Feel free to copy the enclosed (or page 14 of the electronic version) nomination form, if necessary. Requests for additional nomination forms may be directed to:

Joel Pokorny

Godlove Award Committee Chairman

Visual Sciences Center

940 East 57th Street

Chicago, IL 60637

Tel: 773 702-1983

FAX: 773 702-0939

e-mail: j-pokorny@uchicago.edu

Joel Pokorny,

Godlove Award Committee Chairman

Calling All ISCC Members

To reduce publication costs and minimize increases in the ISCC dues, the ISCC is still offering you an option to receive your newsletter via email as a pdf file. Many members are receiving the newsletter electronically.

If you also want to receive the newsletter electronically, please contact the ISCC Office with your up-to-date email address at (iscc@compuserve.com), call (703-318-0263) or fax (703-318-0514) your choice to the ISCC Office ASAP. Of course, you still have the option to receive your newsletter in hard copy format.

ISCC Welcomes New Members

- Dr. Niraj Agarwal** Clariant Corporation
4331 Chesapeake Dr.,
Charlotte, NC 282216
tel: 704-395-6519
Email: nuraj.agarwal@clariant.com
- Mrs. Sylvia Danenhower** Benson and Larkin Properties
Box 177
Pomfret, CT 06258
Email: Gdanenhower@snet.net
- Dr. Carl Erb** Medical High School, Dept. of Ophthalmology
Carl-Neuberg-Str. 1
#Anddover, 30625, Germany
Tel: +49 511-532-9232
Email: erb.carl@mh-hannover.de
- Dr. Jaime A. Gomez** Equitech
4 Ashwood Court
Lawrenceville, NJ 08648
Tel: 609-882-8944
Email: jgomez@equitechintl.com
- Ms. Margaret Hetherman** New York University
216 Lincoln Place
Brooklyn, NY 11217
Tel: 718-783-2798
Email: m.hetherman@att.net
- Mrs. Betsy Lynch** Harcourt House Interiors
93 Bedford Street, Apt. 24
New York, NY 10014
Tel: 212-243-2050
Email: harcourthouseinteriors@hotmail.com
- Ms. Anne McIver** Grad Student, Philadelphia University
2979 W. School House Lane, K506A
Philadelphia, PA 19144
Tel: 609-417-2980
Email: mciver2@philau.edu
- Ms. Amy O'Rourke** Kohler Company
444 Highland Drive
Kohler, WI 53044
Tel: 920-457-4441 x 71246
Email: amy.orourke@kohler.com
- Mr. Rohit A. Patil** Rochester Institute of Technology
71 Kimball Drive
Rochester, NY 14623
Tel: 585-424-8535
Email: rap6577@cis.rit.edu
- Mr. Tom Shea** Standridge Color Corporation
1196 Hightower Trail
Social Circle, GA 30023
Tel: 770-464-3362 x 1257
Email: tshea@standridgecolor.com
- Mr. C.R. Beesley** AGL
580 5th Avenue, Ste. 706
New York, NY 10036
Email: aglgeomlab@aol.com

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Åke Sigurdsson Stenius
1915-2004

Åke Stenius, MA, has died at the age of 88. He leaves a wife Elisabet with children Olav, Dorrit and Nils and grandchildren.

Åke Stenius was known not only within the Swedish paper industry but over the whole world as a leading researcher into questions relating particularly to the appearance of paper but also to colour appearance and colour measurement in a wider sense.

Åke was born in Helsinki in 1915 and was educated at Helsinki University. During the Winter war of 1940 in Finland, his chemical expertise was utilised in the army where he was responsible for a small laboratory that carried out important analyses behind the lines.

Soon after the end of the war, he moved to Sweden where he found employment at the Central Laboratory of the Swedish Pulp Industry, which later became a part of STFI. There Åke became interested in questions relating to the optical properties of paper, particularly its brightness and whiteness, and how these properties could be measured in a rigorous manner. To this task he devoted his working life. He was a pioneer in showing that the Kubelka-Munk theory that had been developed in other fields could successfully be applied to paper.

He was internationally respected for the depth of his knowledge and the merits of his recommendations, an expert on questions relating to colour in a wider sense than pulp and paper. He was present as one of the Swedish represen-

tatives when AIC was founded. Within CIE, he led the technical work of developing an acceptable equation for calculating a whiteness value. At the time of his retirement, he was awarded the CIE diploma for his valuable contributions.

The most important task was, however, to establish a system for the calibration of instruments for the pulp and paper industry so that all could measure in the same way. He began at STFI by establishing a laboratory with a reference instrument for Sweden and the neighbouring countries. To this instrument, other instruments could be related with the help of reference standards which were sent out regularly to the Scandinavian paper mills. At the same time, he worked intensively within ISO to obtain international approval for a similar system. This he achieved, and a system was established and standardized in the 1970's within ISO/TC6; a system where STFI still plays a significant role.

Of course, Åke also had other interests. He was proud of belonging to the group licensed to hunt Elk in Roslagen, north of Stockholm, and he accepted with pleasure the fact that he was expected to shoulder the more "academic" tasks of writing the minutes and hunting reports within the group.

Åke Stenius was an impressive figure, a knowledgeable mentor and a good friend. His work for the paper industry will have a lasting benefit.

*Anthony Bristow,
Assoc Prof - KTH-Pappersteknik*

AIC 2004, Brazil

Abstracts Available

All abstracts that have been accepted for AIC 2004 Color and Paints, the Interim Meeting of the International Color Association in Porto Alegre, Brazil, are available at <http://www.fadu.uba.ar/sicyt/color/aic2004.htm>. Abstracts are directly linked to the program for online viewing, and also the entire Book of Abstracts can be downloaded as a PDF file.

AIC 2005, Granada, Spain

Invited Lectures

Based on the many responses received, the two scholars that have been selected to deliver invited lectures in the symposia on Environmental Color Design, in Granada, Spain next year are:

- Paul Green-Armytage (Australia)
- Karin Fridell Anter (Sweden)

In addition to these two lectures, three oral papers will be included in each symposium.

Remember to check the Granada website, www.ugr.es/~aic05/ for news and for the deadline to submit abstracts.

IS&T/ISJ's NIP20 International Conference on Digital Printing Technologies

General Chair, Andronique Ioannidis, Xerox Corp. and Program Chairs, James Stasiak, HP, Jin Mizuguchi, Yokohama National Univ., Ramon Borrell, HP, and George Gibson, Xerox Corp. have announced the program for IS&T/ISJ's NIP20 International Conference on Digital Printing Technologies, to be held Oct. 31 – Nov. 5, 2004 at The Little America Hotel & Towers in Salt Lake City, Utah. Details including abstracts of the more than 250 technical papers, descriptions of the tutorials, and registration forms are available on www.imaging.org.

A daily keynote address has been scheduled for Nov 1-4. Four special topics sessions will address: Printed Electronic Components, Security and Forensic Printing Applications, Electronic Paper and Displays, and Control Systems.

On Tuesday and Thursday afternoons, interactive poster sessions will display portions of all tracks of the interactive papers. Tuesday and Wednesday, exhibitors will showcase a wide array of products, applications, and services related to printing and imaging.

International Coatings Technology Conference 2004

Innovative new programs and popular courses highlight the International Coatings Technology Conference, October 25-27, 2004 at McCormick Place North in Chicago, IL. Held prior to ICE 2004, the Conference offers 18 courses geared to all segments of coatings and related industries. Internationally recognized instructors will cover a wide range of topics. Of particular interest to ISCC may be the new one day course on color science and technology on October 26, 2004 and a half day course on October 27 on the impact of color.

For full details on each course, visit www.coatingstech.org/Programs/ICE.html and click on the link for the International Coatings Technology Conference.

Member News

Anna Campbell Bliss has published an art book entitled *Intersections: The Art of Anna Campbell Bliss*. She also had an exhibit (also titled "Intersections: The Art of Anna Campbell Bliss") at the University of Utah Museum of Fine Arts from May 23 through August 3rd. *Intersections* shows the range and diversity of her art from books and prints to paintings and site-specific projects. Trained initially in art history, architecture and color and light, Bliss is fascinated by the meeting of art, science and technology as well as Asian and pre-historic cultures.

Special Symposium: "Automotive Color and Appearance Issues" -- Call for Papers --

ISCC 2005 Annual Meeting

Many professionals are dedicated to solving industrial color related problems. A significant portion of them address color and appearance issues in the automotive industry. For those working on these automotive issues, this call for papers is your opportunity to share that experience.

The Symposium Chairman, Mr. Mike Henry, invites you to submit your work for consideration to be presented at a special symposium titled "Automotive Color and Appearance Issues" at the 2005 ISCC Annual conference. Presentations that address color and appearance related issues in the following areas are requested:

- Automotive Design,
- Marketing,
- Interior & Exterior Color Harmony,
- Manufacturing,
- Application Processes and
- Supply Chain.

The symposium will also include an Instrument Exhibit and Poster Session and we invite papers that relate to new developments in color measurement and determination of color quality in the Automotive OEM and aftermarket segments.

Please submit abstracts to Symposium Chairman, Mike Henry, via email at mhenry@ppg.com or by fax at 216-671-7678. Further general conference information and registration will be available at www.iscc.org.

ISCC Education Committee Meeting Call for Papers

ISCC 2005 Annual Meeting

The Education Committee is currently organizing its program for the 2005 ISCC Annual Conference to be held in Cleveland, OH. We are currently accepting submissions for papers and panel or roundtable discussions. Please submit your ideas to:

Prof. Margaret A. Miele
Department of Social Sciences, rm. B634
Fashion Institute of Technology
Seventh Ave. @ 27th Street
New York, N.Y. 10001-5992

Email: Margaret.Miele@fitnyc.edu

Voice mail: (212)217-8449

Deadline for all submissions is: Nov. 30, 2004.

Call For Papers: ISCC Interest Groups
ISCC 2005 Annual Meeting
Cleveland, Ohio
April 24 - 27, 2005

Interest Group I: Basic and Applied Research

Interest Group I centers on research in the field of color, such as color vision, color order systems, and color instrumentation. One-page abstracts describing new research efforts dealing with the session's theme, "Automotive Color Issues," or more broadly, with research in all aspects of color, including new instruments, new research applications of existing instruments, and optical models are being requested.

Please send abstracts to:

Milt Hardt, Chair IG-I at milhar@ccicolor.com;

for questions, please call 773-475-2576.

Please submit your abstracts at your earliest convenience, but not later than December 31, 2004. Please also include a brief author bio sketch.

Interest Group II: Industrial Applications of Color

Interest Group II presents technical challenges and solutions that industries encounter in commercial color applications. Abstracts are currently being solicited for papers with topics that include color reproduction, color management, quality control techniques and color tolerancing, measurement techniques, color matching, the relationship between color and other physical characteristics, or other color related industrial applications. Please send a one-page abstract and a brief author bio sketch by December 31, 2004 to:

Gary Regulski, Chair, IG-II
 DuPont Performance Products
 945 Stephenson Highway
 Troy, MI 48083
 Phone 248-583-8525
 Fax: 248-583-8316
gary.j.regulski@usa.dupont.com

Interest Group III: Art, Design & Psychology

Interest Group III centers on color from the non-measurement perspective, brings artists together with physical sciences and affords a unique perspective in how color is perceived and acted upon by people. Please send one page abstracts of new design and aesthetic aspects of this session's theme, "Automotive Color Issues," or more broadly, with general issues in color and design.

Please forward your abstract and bio-sketch to:

Marcia Cohen, Chair IG-III, at
marcia.cohen@woodruffcenter.org
 or call 404-733-5130 or 404-261-6364

Material may be sent at your earliest convenience or by December 31, 2004.

FIT Conference and Hotel Information
October 22-24, 2004

Place:

Fashion Institute of Technology, NYC, NY

See: fitnyc.suny.edu

Click on FIT Is My Present
 Click on Directions To FIT
 Click on Campus Map

Nearby Hotels:

1. Hotel Pennsylvania, 401 7th Ave, 212-736-5000
2. Southgate Tower, 371 7th Ave, 212-563-1800
3. Southgate, 7th Ave & 31st St, 212-465-3690
4. Chelsea Savoy Hotel, 204 West 23rd St,
212-929-9353

All are within a five minute walking distance of FIT.



ISCC/FIT CONFERENCE ON COLOR AND DESIGN

Fashion Institute of Technology Campus

New York City, New York

October 22-24, 2004

Friday, October 22

6:00p.m. Registration/Wine & Cheese Reception

Poster Session I:

Learning Our Lessons - Color Applications in Education

6:30p.m. Opening Remarks
Prof. Margaret Miele, Conference Chair
Dr. Joyce Brown, President of FIT
Dr. Joanne Zwinkles, President of ISCC

7:00p.m. Invited Talk: *Valerie Steele, RED*

Saturday, October 23

8:00a.m. Registration & Continental Breakfast

9:00a.m. ***Color in Clothing and Textile Design***

Dr. Lisa Koenigsberg, New York University, **The Relationship Between the 1950s and 1960s Prints and Their Palettes to the Art of Their Era and to Today's Printed Textiles**

Dr. Desiree Koslin, Fashion Institute of Technology, **Color in Medieval Culture & Society: Substance, Symbolism & Science**

Dr. Ruth Rubinstein, FIT, **Colors in Children's Clothes**

10:30a.m. **Poster Session II:**
Color in Research and Industry

11:30a.m. ***Cultural Influences on Color & Design***

Prof. Harumi Hotta, FIT, **Contemporary Dutch Design & Its Influence on Consumer Products**

Dr. Yuniya Kawamura, FIT, **The Socio-Cultural Symbolism of Colors of Japan**

Ms. Margaret Walch, Color Association of the United States, **NYC: A Microcosm of Change & Breeding Ground for Seminal Futuristic Color Concepts**

1:00p.m. Lunch

2:00p.m. ***Color, Art and Visual Effects***

Prof. Marcia Cohen, Atlanta College of Art, **More Interactions of Color**

Mr. Calvin McCamy, Invited Speaker, **What Is the Difference Between Dots and Spots?**

Ms. Joy T. Luke, Studio 231, **Color and Visual Effects**

Saturday, Oct. 24, Continued

Ms. Carol Steen, Artist & Co-founder of the American Synesthesia Assn., **Visions Shared: A Firsthand Look into Synesthesia and Art**

4:00p.m. Tours of FIT's Color Lab and Museum

Sunday, October 24

9:00a.m. Continental Breakfast

9:30a.m. ***Color & Design for the Consumer***

Ms. Puja Gangwal, m&m™ Division of Master Foods, Inc., **Chocolate is Better in Color**

Dr. Anat Lechner, Stern School of Business, & Ms. Leslie Harrington, LH. **Color, Workplace Design**

Prof. Odeda Rosenthal, East Carolina University, **Coping with Color Blindness**

10:45a.m. **Poster Session III:**

Exhibit of Student Work

11:45a.m. Student Poster Award Ceremony

12:00p.m. Panel Discussion: ***Color & Design, Allies or Enemies?***

Ms. Carol Bowman, Target Corp.™, **Color & Design: Allies or Enemies**

Mr. Craig Lowy, Designer & Director, **Color Wars in Broadcast Design**

Ms. Valerie Myers, Microsoft™, Inc., **Color and Branding**

1:15p.m. Lunch

2:30p.m. ***Technology and the Future of Color and Design***

Ms. Karen Gaskins, Datacolor, Inc., **Trends and Successes in Digital Color Assessment**

Prof. Holly Henderson, FIT, **Digital Color Development and CAD for Textile Design**

Mr. Jack Ladson, Color Science Consultancy, **Removing the Bottleneck in Computer Color Formulation**

3:45p.m. Closing Remarks

Color Research and Application In This Issue, October 2004

Our first article is about the natural color system published by Moses Harris sometime around 1770. Who was Moses Harris? He was an English entomologist who engraved his own copperplate illustrations. He studied moths and butterflies and, of necessity, color systems that would allow him to communicate his work. Let us pause a minute; during that time period, how were color plates published? The reproductions were hand-painted. Thus, there were variations between copies made, and even more between later editions. Also there is the question of how these color plates have fared over the ca. 200 year time span since their production. In "Moses Harris's *The Natural System of Colours* and Its Later Representations," Werner Spillman discusses these issues and compares four versions of the central triangles of the color plates.

Just as Moses Harris was concerned with the language of color to communicate the identification of and characterization of colors of insects and flowers in the 1700s, we still struggle with similar issues of identifying colors today. Now we hope to teach computers to identify objects in the same way people do by looking at them. The color of an object may be an important aid in its recognition. Our next article, "Estimation of Fuzzy Sets for Computational Colour Categorization," deals with color naming information in computer vision applications. Robert Benavente, Maria Vanrell, and Ramon Baldrich seek to emulate the way human observers categorize colors by modeling each of the eleven basic colors using a fuzzy set with a characteristic function. Their final goal is a computational model that allows computers to make the color naming decision automatically.

Drs. Nobuhito Matsushiro and Noburo Ohta have been studying subtractive color mixture with the goal of developing a theoretical framework for a continuous-tone subtractive mixing process. Last year in this journal they published the article "Theoretical Analysis of Subtractive Color Mixture Characteristics" [see Vol. 28, pp. 175-181] in which they proved theorems of color mixture for the ideal color. In this issue they provide new theorems related to the removal of the restriction of the ideal color and establishment of bounds for all cases of spectral transmittances. In "Theoretical Analysis of Subtractive Color Mixture Characteristics II - General Colorants and Single Tristimulus Dimensions," the main goal of the theory is to establish bounds on the colors produced by a subtractive color mixing process, given colorimetric measurements of single colorants and the illuminant. The framework is presented by developing and proving six theorems.

Light Emitting Diodes, or LEDs as they are often called, have started to appear in numerous lighting applications. LEDs are quite different from traditional incandescent lamps and also from fluorescent light tubes. They have various spatial emission patterns, and characterizations of these sources, both photometric and colorimetric are challenging.

Although not a point source, the spectral power of an LED is concentrated in a small wavelength interval, which may make them useful in some types of visual research. However, there are many unanswered questions, such as, What metameric effects do LEDs produce, and Can LEDs replace more traditional light sources in visual research? In our next article, "Colour Matching Using LEDs as Primaries" Ákos Borbély and János Schanda present the results of a metameric Maxwell-type additive color-matching experiment.

Our next article also deals with evaluating newer research technologies. Computer displays have been increasingly used for visual experiments and research. At first cathode-ray tube (CRT) displays were used. However, now because of improved luminance, contrast ratio, sharpness, and spatial uniformity, flat-panel liquid-crystal displays have begun replacing CRTs in visual experiments. A significant amount of research has been published on the characterization of CRTs, but because there are fundamental differences between CRTs and LCDs, the same characterization models cannot be applied to LCDs. The purpose of the next article, "Colorimetric Characterization of a Computer Controlled Liquid Crystal Display," is to describe methodologies and performance of a typical LCD colorimetric characterization for use in psychophysics and colorimetric image display. In this article Ellen A. Day, Lawrence Taplin, and Roy S. Berns describe a method used to characterize LCDs and evaluate robustness of the method with respect to measurement uncertainty.

Since the 1960s, it has been known that when comparing samples, a gray background enhances the sensitivity of the observer to lightness differences between gray samples of about the same luminance factor as that of the background. The term "crispensing" has been applied to this phenomenon. In 1970 Semmelroth published a model for its prediction. Fairchild's book, *Color Appearance Models*, among others, includes an excellent figure [p. 137] illustrating the effect. In our next article John H. Xin, C. C. Lam, and M. R. Luo use colors generated on a CRT to study crispensing. In "Evaluation of the Crispensing Effect Using CRT-Displayed Colour Samples," they report on the effect and its influence on color-difference equations. Since the most recent industrial color-difference equations are based on judgments on a mid gray background, these equations are not able to deal with crispensing at other background luminance levels. The authors suggest this should be remedied.

In recent issues of this journal, Li-Chen Ou, M. Ronnier Luo, Antrée Woodcock, and Angela Wright have been reporting on the relationship between color emotion and color preference. In Part I (April issue) they looked at single colors. In Part II they developed a simple method of modeling color emotions for color combinations. Now in this issue, we have the concluding section of their report in which they model color preference: "A Study of Colour Emotion and Preference: Part III - Colour Preference Modeling." They show it is difficult to model color-combination preferences by color emotions only. They also clarify the relationship between color preference and color harmony, and find that

the two are strongly correlated.

Anyone watching television in the United States, will recognize the topic of our next article as very timely, since it goes to the heart of much recent advertising. For this article, researchers from Iwate Medical University in Japan and Harvard University in the United States team together to establish a colorimetric guideline to predict the effectiveness of tooth bleaching. Shigemi Ishikawa-Nagai, Takayuki Terui, Kanji Ishibashi, Hans-Peter Webber, and Michael Ferguson report on the "Prediction of Optical Efficacy of Vital Tooth Bleaching using Regression Analysis."

We close this issue with three book reviews and reports and announcements from the International Colour Association (AIC). Dr. Joann Taylor reviews *Digital Color Imaging Handbook*, which is edited by Gaurav Sharma. Dr. Joyce Farrell tells us about the *Handbook of Image Quality* by Brian W. Keelan, and Professor Frank Shih discusses the two-volume book, *Seeing in Depth* by Howard and Rogers. From the AIC, Aran Hansuebsai reports on AIC 2003 in Bangkok and the AIC Interim Meeting "Color & Paints" is announced to be held in Brazil in November.

Ellen Carter

Editor, *Color Research and Application*

Join IS&T in Beijing

The Society for Imaging Science and Technology and The Chinese Society for Imaging Science and Technology have issued the Call for Papers for the first Asian Conference on Imaging to be held May 23 -26, 2005.

Topics will encompass the vast panorama of imaging technology science and applications. A major purpose of this conference is to provide a forum for reinforcing existing and forging new linkages between the technical, scientific, and commercial imaging communities in Japan, Europe, and North America with our hosts in China. In addition to the contributed papers, the Conference events will include Tutorials, Keynote Talks, Banquet, Networking Opportunities, and other activities. We anticipate that the success of this first conference will trigger a demand for an annual IS&T Asian Conference on Imaging organized by a local Asian Imaging Society in cooperation with the IS&T. Join us in the excitement of being a participant in the first of these conferences, and take advantage of all the exciting opportunities available to conference attendees by marking your calendar for May of next year with 2005 Beijing International Conference on Imaging: Technology and Applications for the 21st Century.

Prospective authors are invited to submit original papers for consideration by the technical program committee in any of the areas listed below by November 15. Please feel free to contact a committee member or me if you would like additional information about participating in this meeting.

See the full call for papers at:

<http://www.imaging.org/conferences/beijing/>

AIC 10th Congress Call for Papers

Prospective authors are invited to submit original papers for presentation at AIC 2005, May 8-13, Granda, Spain, in any of the technical areas related to the field of colour before October 30, 2004. All papers will be reviewed by the scientific committee to ensure that the conference provides significant and timely information to its participants.

Authors will be notified of acceptance by the 15 December 2004. Upon notice of acceptance by the scientific committee, authors will be sent detailed instructions for submitting extended manuscripts of up to four pages (before March 1, 2005) to be published in the AIC Colour 05 Proceedings, which will be distributed to each participant upon registering for the meeting.

The AIC 10th Congress website lists the Symposium Topics, along with many additional program details, registration, accommodations and other information. The website address is <http://www.ugr.es/~aic05/>.

The Symposium Topics are:

Color Vision and Ageing, Coordinator: Katsunori Okajima, National Defence Academy Japan.

Colour Vision with Natural Images: Physics and Psychophysics, Coordinators: David H. Foster, University of Manchester, Institute of Science and Technology and Sergio Nascimento, University of Minho, Portugal.

How Do We Teach Colour Today and Tomorrow?, Coordinator: Berit Bergstrom, Swedish Colour Centre Foundation, Sweden.

Environmental Colour Design, Coordinators: José L. Caivano, University of Buenos Aires, Argentina and Leo Oberascher, Institut für Angewandte Ökologische Psychologie, Austria.

Multispectral Colour Science, Coordinator: Francisco Imai, Pixim Inc., USA.

Colour Appearance: Ordinal, Interval, & Ratio Scales, Coordinator: Mark Fairchild, Rochester Institute of Technology, U.S.

Evaluation of Image Quality, Coordinator: Ronnier Luo, University of Leeds, UK.

Computational Colour Constancy, Coordinator: Graham Finlayson, University of East Anglia, UK.

Photoreceptors and Colour Vision Mechanisms, Coordinator: Françoise Viénot, National Museum of Natural History, France.

Art and Colour, Coordinator: Yves Charnay, National Superior School of Decorative Arts, France.

Colour Image Capture, Devices and Media, Coordinator: Markku Hauta-Kasari, University of Joensuu, Finland.

Colour and Psychology, Coordinator: Osvaldo da Pos, University of Padua, Italy.

CALENDAR

Please send any information on Member-Body and other organization meetings involving color and appearance functions to:

Ms. Cynthia Sturke
ISCC Office
11491 Sunset Hills Road, Reston, VA 20190
703-318-0263 tel 703-318-0514 fax
iscc@compuserve.com website: <http://www.iscc.org>

2004

- Sept 19-21** 2004 CAD RETEC, "Plastic Coloring Issues and Trends," Marco Island, FL, Sandra Davis, Chair, <http://specad.org/meetings/2004retec/index.htm>.
- Oct 1** CMG's Canadian Regional Meeting, in conjunction with IIDEX/NeoCon, Toronto, Ontario, Canada.
- Oct 4-6** Color Cosmetics World Summit 2004, Hotel Concorde La Fayette, Paris, FRANCE, Email: dmaiore@intertechusa.com, or www.intertechusa.com.
- Oct 12-13** Color Measurement Principles and the Textile Industry, AATCC Technical Center Research Triangle Park, NC, <https://www.aatcc.org/eseries/Source/Meetings/cMeetingProcessSearch.cfm>
- Oct 10-14** OSA, Frontiers in Optics 2004/Laser Science XX, Rochester Convention Center, Rochester, New York, <http://www.osa.org/meetings/annual/>.
- Oct 13-15** NAPIM 2004 Technical Conference, Pheasant Run Resort and Spa, St. Charles, IL, <http://66.95.150.74/>.
- Oct 22-24** ISSC Williamsburg Conference, Fashion Institute of Technology, New York, New York, iscc@compuserve.com.
- Oct 27-29** FSCT, ICE 2004, "Challenge – Change – Opportunity," McCormick Place North, Chicago, IL, www.coatingstech.org.
- Oct 29-Nov 2** CMG's Fall International Conference, Rancho Mirage, California
- Nov 2-5** AIC 2004 Interim Meeting, Porto Alegre, Brazil, Contact: José Luis Caivano, jcaivano@fadu.uba.ar.
- Nov 9** DCC General Meeting, Paint Replacement Technologies, www.detroitcc.org/.
- Nov 9-12** IS&T/SID, CIC12 12th Color Imaging Conference - Color Science, Systems & Applications, The SunBurst Resort, Scottsdale, AZ, <http://www.imaging.org/conferences/cic12/authors.cfm>.

2005

- Jan 16-20** IS&T/SPIE's Electronic Imaging Science and Technology, San Jose Marriott and San Jose Convention Center, San Jose, CA <http://electronicimaging.org/call/05/>.
- Jan 26-28** ASTM E12, Embassy Suites Hotel; Ft. Lauderdale, FL www.astm.org
- Feb 21-24** SID International Display Manufacturing Conference and Exhibition, Taipei International Conference Center, Taiwan, <http://www.di.nctu.edu.tw/IDMC05/>.
- Mar 7-11** ASPRS 2005 Annual conference, Baltimore, Maryland, <http://www.asprs.org/baltimore2005/index.html>.
- April 7-11** NAPIM Convention - Hyatt Coconut Point, Bonita Springs, FL, <http://www.napim.org/>.
- April 12-14** IESNA Trade Show and Conference, J. Javits Convention Center, New York, NY, www.LIGHTFAIR.com.
- April 17-20** TAGA 2005 Toronto, Marriott Eaton Centre Hotel, Toronto, Ontario, Canada, www.taga.org/images/150-7.jpg.
- April 17-20** TAPPI Coating Conference and Exhibit – 2005, Sheraton Centre Toronto, Toronto, Ontario Canada, <http://www.tappi.org/>.
- April 26-29** IS&T Archiving Conference, Radisson Hotel Old Town, Alexandria, VA, <http://www.imaging.org/conferences/archiving2005/>.
- Apr 29-May 3** CMG's Spring International Conference, Baltimore, Maryland, USA, <http://www.colormarketing.org/visitors/cmgevents/cmgevents.htm>.

CALENDAR, Continued

- May 8-13 **AIC 05 Granada, 10th Congress of the International Colour Association AIC Colour 05**, Conference and Exhibition Centre,
www.ugr.es/local/aic05 email: eurocongres@eurocongres.es.
- May 12-21 **CIE Divisional and Technical Committees Meetings, Lighting in the XXI Century**, Leon, Spain, email: leon05@ceisp.com.
- May 23-26, **IS&T Beijing International Conference on Imaging: Technology and Applications for the 21st Century**, Fragrant Hill Golden Resources Commerce Hotel, Beijing, China
<http://www.imaging.org/conferences/beijing/index.cfm>.
- June 15-17 **ASTM E12**, Hilton Reno Resort; Reno, NV, www.astm.org.
- Nov 11-12 **ISCC/IS&T Special Topics Meeting, "Precision and Accuracy in the Determination of Color in Imaging"**, Scottsdale, Arizona, <http://www.iscc.org>.

Publications Available from ISCC Office

Color and Light by Fred W. Billmeyer Jr. & Harry K. Hammond, III. Authorized reprint from: ASTM Manual 17, Copyright 1996, ASTM International, 100 Bar Harbor Dr., W. Conshohocken, PA 19428

..... \$5 ea or 20 copies/\$50.00

Demystifying Color by Bob Chung, 11 pages. Discusses and explains ten myths about color.

..... \$5 ea or 20 copies/\$50.00

Proceedings - 9th Congress of the International Colour Association, AIC Color 01 Rochester, Allan Rodrigues, Editor, papers given at technical sessions.

..... \$75*

Guide to Material Standards and Their Use in Color Measurement (ISCC TR-2003-1). The Guide, developed by ISCC Project Committee 51, provides an introduction to material standards and their use for the standardization of color measuring instruments.

..... \$50*

*Plus shipping and handling

ISCC Interest Group I Vice-Chair Opening

An opening exists for the Vice-Chair position of Interest Group I, Basic and Applied Research.

If you have an interest in becoming more involved in the ISCC, and would like an opportunity to utilize your talents in a rewarding way to better yourself and the organization, please contact:

[Milt Hardt \(milhar@ccicolor.com\)](mailto:milhar@ccicolor.com),

773-475-2576

ISCC Interest Group III Vice-Chair Opening

An opening exists for the Vice-Chair position of Interest Group III: Art, Design and Psychology. If you have an interest in becoming more involved in the ISCC and would like an opportunity to utilize your talents in a rewarding way to better serve yourself and the organization please contact:

Marcia Cohen at marcia.cohen@woodruffcenter.org or tel: 404 733 5130 or fax: 404-261 6364.

Advertising Policy

The ISCC advertising policy for the ISCC News is as follows: Pre-paid color-related advertising will be accepted 30 days in advance of the publishing date.

The rates are:

\$ 100	business card-size ad
\$ 250	1/4 page ad
\$ 500	1/2 page ad
\$ 1,000	full page ad

The editor reserves the right to determine the acceptability of the advertising. A 20% discount is available for a yearly contract.

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Sep/Oct 2004

Editor: Prof. Gultekin Celikiz

tel: 215-836-5729 fax: 215-836-0448

iscc@compuserve.com

Associate Editor: Cynthia Sturke

tel: 703-318-0263 fax: 703-318-0514

iscc@compuserve.com

Compositor: Mary McKnight

tel: 301-975-6714 fax: 301-990-6891

mary.mcknight@nist.gov

All submissions must be in English. Please submit materials by the first of each even numbered month. Materials submitted later may be printed in the following issue.

ISCC Sustaining Members

BYK-Gardner USA	www.bykgardner.com	301-483-6500
Ciba Specialty Chemicals	www.cibasc.com	302-633-2042
Color Communications, Inc.	www.ccicolor.com	773-638-1400
DuPont Performance Coatings	www.dupont.com	248-583-8345
Flex Products, Inc.	www.colorshift.com	707-525-7337
GretagMacbeth, LLC	www.gretagmacbeth.com	800-622-2384
Hewlett-Packard Company	www.hp.com	650-857-6713
Hunter Associates Laboratory, Inc.	www.hunterlab.com	703-471-6870
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Konica Minolta	www.konicaminolta.us	201-574-4000
Labsphere, Inc.	www.labsphere.com	603-927-4266
Pantone, Inc.	www.pantone.com	201-935-5500
PPG Industries, Inc.	www.ppg.com	724-274-3532
Prime-Color, Inc.	watprime@hotmail.com	908-272-5759

ISCC Member Bodies

American Association of Textile Chemists and Colorists (AATCC)
 American Society for Testing and Materials International (ASTM)
 American Society for Photogrammetry & Remote Sensing (ASPRS)
 The Color Association of the United States, Inc. (CAUS)
 Color Marketing Group (CMG)
 Color Pigments Manufacturing Association (CPMA)
 Council on Optical Radiation Measurements (CORM)
 Detroit Colour Council (DCC)
 Federation of Societies for Coatings Technology (FSCT)
 Gemological Institute of America (GIA)
 Graphic Arts Technical Foundation (GATF)
 Illumination Engineering Society of N. America (IESNA)
 National Association of Printing Ink Manufacturers (NAPIM)
 Optical Society of America (OSA)
 Society for Information Display (SID)
 Society of Plastics Engineers, Color & Appearance Div.(SPE)
 Society for Imaging Science and Technology (IS&T)
 Technical Association of the Graphic Arts (TAGA)

ISCC News Editor

Prof. Gultekin (Tek) Celikiz
iscc@compuserve.com

1309 Paper Mill Rd, Erdenheim, PA 19038-7025
 tel: 215-836-5729 fax: 215-836-0448

ISCC Office Manager

Cynthia J. Sturke, Office Mgr.
iscc@compuserve.com

11491 Sunset Hills Road, Reston, VA 20190
 tel: 703-318-0263 fax: 703-318-0514

<http://www.iscc.org>



Color and Design Conference

October 22 – 24, 2004, New York, NY

Last Name: _____ First Name: _____

Badge Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Alternate: _____

Fax: _____

Email: _____

Country of Citizenship: _____

Accompanying Person(s): _____

Registration Fees:	Before Sept 30th	After Sept 30th
ISCC/FIT Conference	\$300 USD	\$325 USD *
Vendors*	\$500 USD (1 Table)	\$550 USD (1 Table)
Speakers ()	\$150 USD	N / A
Students	\$100 USD	\$100 USD

Registration Fees include Continental Breakfasts and Wine and Cheese Reception

No refunds after October 8th, 2004.

***An additional \$20 fee will be applied for on-site registration**

Accompanying Person(s) Reservations: (Not entitled to attend sessions)

Wine and Cheese Reception, October 22nd Evening, \$25

Total Amount Due: \$ _____ USD

- Check or money order payable in U.S. Funds on a U.S. Bank to "Inter-Society Color Council"
- Charge to the following credit card: DISC MC VISA AMEX

Card No. _____ Exp. Date ____/____/____
(Please print clearly) Mo./ Year

Signature: _____

Please print Cardholder's Name: _____

Return completed form with payment to:

Inter-Society Color Council
 Attn: Cynthia J. Sturke
 11491 Sunset Hills Rd, Reston, VA 20190
 Tel: 703.318.0263 Fax: 703.318.0514
iscc@compuserve.com

For further information, please check our website: www.iscc.org

NOMINATION FOR THE 2005 GODLOVE AWARD

It is time to nominate candidates for the 2005 Godlove Award. The Godlove Award is the most prestigious award bestowed by the Inter-Society Color Council (ISCC) to honor long-term contributions in the field of color. . This award is usually presented biannually in odd-numbered years. The following information is required, additional supporting material may be appended.

1. Nominee's Name/Title _____

Company _____

Street Address _____

City _____ State/Country _____ Zip/Postal Code _____

Tel _____ Fax _____ E-mail _____

2. Citation: Please indicate below in a sentence of two the specific reason for the award's bestowal. This will normally form the basis for the citation presented to the nominee.

3. Please attach a narrative (up to one-page) of the nominee's contribution and its significance.

4. Please attach a resume or vita and a publication list for the nominee, as well as other material you deem useful.

5. Source of Nomination

Give name of person or Member Body or Award Committee who prepared the nomination along with address and appropriate contact information.

Sponsor's Name: _____

Member-Body / Award Committee: _____

Street Address _____

City _____ State/Country _____ Zip/Postal Code _____

Phone _____ Fax _____ E-mail _____

Note: Confidentiality of the nomination is of the utmost importance. The nominating individual/ Group must ensure that the nomination is not disclosed to the proposed Nominee. If any of the above information cannot be obtained without risking disclosure, the information should be omitted from the nominating letter.

Candidates will be judged by their recent contribution to any field of interest related to color whether or not it is represented by a Member-Body, preferably within 5 or 10 years preceding the Award. The candidate's contribution may be direct, i.e., it may be in the active practical stimulation of the application of color. It may be an outstanding dissemination of knowledge of color by writing or lecturing, based on original contributions by the nominee. Candidates need not have been active in the affairs of the ISCC.

The deadline for receipt of nominations is November 1, 2004.

Please send to :

Joel Pokorny

Visual Sciences Center

University of Chicago Phone: 312 702-1983

940 East 57th Street Fax: 312 702-0939

Chicago, IL 60637 e-mail: j-pokorny@uic.edu