

CORM 2004

Second Announcement, Program, & Call for Papers

A Joint Conference with the Inter-Society Color Council

Advances in Color and Appearance Metrology
Latest developments in the fields of Retroreflection, Haze, Gloss,
Goniospectrophotometry, Color Imaging, and Fluorescence.

CORM Annual Conference and Business Meeting

12-13-14 May 2004

Green Auditorium

National Institute of Standards and Technology

Gaithersburg, MD

This year's Annual Conference and Business Meeting of the Council for Optical Radiation Measurements will be held in the Green Auditorium on the campus of the National Institute of Standards and Technology. The Hilton Washington DC North in Gaithersburg will serve as the host hotel for the conference.

The CORM Conference will start at NIST on May 12, and end at noon on May 14. CORM Technical committees will meet on the morning of May 12 at NIST. This Conference will follow the ISCC Conference beginning on May 10th. Following the conference, the American Society for Testing Materials (ASTM) will hold meetings of committee E-12 (Color and Appearance) from Monday, May 17 to Wednesday, May 19.

This group of meetings presents an excellent opportunity for all of those active in color and appearance to both advance their knowledge in the fields and to be involved in standards and measurement capability developments.

CORM and ISCC will hold a joint reception on Tuesday evening, May 11th. at the Hilton.

Note: Due to security concerns at NIST, the registrations have an earlier cut-off date than usual. No 'walk-in' conferees will be allowed. All registrations MUST be received at least two weeks before the Conferences. All attendees will require photo id's. Non-US citizens will require photo identification and proof of citizenship to attend the conference.

CORM Technical Committee Meetings

CORM Technical Committee Meetings will be held on Wednesday morning at NIST. Please contact your technical committee chairperson for information on location and time of the meeting. There is no charge to participants, but advance registration is required.

Tuesday, May 11th.

Afternoon

2:00-4:00 PM

ISCC/CORM Joint Event

Poster Session- NIST

Karen Braun, chair

Tuesday Evening (7:00 PM)

Wine and Cheese Reception

Co-Sponsored by ISCC and CORM

Hilton Hotel

Advances in Color and Appearance Metrology

Final Program

12 May

1:00 PM- 1:15 PM

Wednesday Afternoon

Welcome: Mike Jergens, CORM President
By NIST Representative
By Organizing Committee

1:15-5:00 PM

Advances in Retroreflection Metrology

3:00-3:15 Coffee Break **Session Co-Chairs: Mr. Richard Austin (rlaustin@gamma-sci.com)**
President, Gamma Scientific

Mr. Norbert Johnson(nljohnson@mmm.com)
Senior Scientist, 3M Corporation

"The New NIST Center for High Accuracy Retroreflection Measurements.". Todd Heimer, NIST

"Making Measurements with Hand-Held Sign Retroreflectometers"
Paul Carlson, Texas Transportation Institute, Texas A&M University.

"From concept to rulemaking...the status of retroreflectivity in transportation." Carl Andersen, FHWA

"Beam, Band, or ASTM E4061: which is better based on uncertainty analysis." Cameron Miller, NIST

"Measuring the Retroreflectivity of Wet Pavement Markings." Ron Gibbons, Virginia Tech. Transportation Institute, Virginia Tech. University.

"Daytime color of Prismatic Retroreflective Traffic Signs: An Investigation into the Relationship between Instrumental Colorimetry in the Laboratory and Field Photometry from the Driver's Seat." David M. Burns, 3M

13 May 9:00 AM to 11:30 AM

Thursday Morning

Haze, Gloss, DOI, and Appearance Attributes

Session Chair: Dr. Joanne Zwinkels (joanne.zwinkels@nrc-cnrc.gc.ca)

Group Leader, Photometry and Radiometry, NRC

10:00-10:15

Coffee Break

"Systematic and random uncertainty propagation in color measurement", Jim Gardner, CSIRO

"Optical design for precise geometry on the new NIST goniospectrophotometer", Will Weber, Opti-Techure, Inc./AvianGroup USA

"Characterization of new NRC Goniospectrophotometer for specular gloss measurements at 20,60 and 85 degrees", J. Liu, M. Noël, J. Zwinkels and Y. Li, National Research Council of Canada

"Color matching: first results - Theoretical summary on colorants, pigment, metallic pigments, pearls and interferential pearls", Henri Debar, Isocolor, Inc.

11:30- 12:00 Annual CORM Business Meeting

12:00- 1:00 PM

Lunch at NIST Cafeteria

13 May 1:15 PM to 4:45 PM

Thursday Afternoon

Advances in Color Imaging

Session Chair: Mr. David Wyble (wyble@cis.rit.edu)
Munsell Color Science Laboratory
Rochester Institute of Technology

2:30-2:45

Coffee Break

“Development of a spectrally tunable calibration source for display colorimeters” Irena Fryc¹, Steven Brown, and Yoshi Ohno, NIST, ¹Guest Scientist from Bialystok University of Technology, Bialystok, Poland.

"A Testing Procedure to Characterize Color and Spatial Quality of Digital Cameras Used to Image Cultural Heritage" Erin Murphy and Roy Berns, RIT/MCSL

”Wavelength selection for improved colorimetry with 3D-multispectral laser scanners” Réjean Baribeau, NRC

“Spectral Imaging at the Munsell Color Science Laboratory” Roy Berns, RIT/MCSL

7:00 PM Franc Grum Memorial Dinner and Lecture

Hilton Washington

"Color Science and Painting: When Worlds Collide"

Dr. Roy Berns, Professor and Director, Munsell Color Science Laboratory, Rochester Institute of Technology

Title: TBA

14 May 9:00 AM to 12:00

Friday Morning

Fluorescence and Color-Whiteness, Brightness, and Chromatic Fluorescent materials

Session Chair: Mr. David Burns (dmburns@mmm.com)
Senior Scientist, 3M Corporation

10:00-10:15

Coffee Break

“Practical Daylight Simulators for the Visual Evaluation of Fluorescent Samples” by Robert Hirschler, Jennifer Gay and Cassia C. Melo SENAI/CETIQT Colour Institute - Rio de Janeiro, BRAZIL

"On the Concept of Whiteness: New Method for Measuring Fluorescent Whites" Dr. Claudio Puebla, AxiPhos GmbH

"Issues in modeling fluorescence in paper". Dr. Tarja Shakespeare, and Dr. John Shakespeare, Honeywell Process Solutions, Kuopio, Finland

"Qualification of a Steady-State Fluorometer Using Conventional and Material Standards", Dr. Paul DeRose, NIST

12:00- 1:00 PM
Lunch at NIST Cafeteria

Friday Afternoon
Self-Guided NIST Tours

PLEASE NOTE THAT NOT ALL SESSIONS ARE FILLED AT THIS TIME. TO CONTRIBUTE A PAPER, PLEASE CONTACT EITHER THE APPROPRIATE SESSION CHAIR OR THE PROGRAM COORDINATORS..

Program Coordinators

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Gaithersburg, MD 20899-8441
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For Hotel and financial information, contact:

Mr. Greg McKee
CORM Secretary
C/o Labsphere, Inc,
P.O. Box 70
North Sutton, NH 03260-0070
603-927-4266 x2119
gmckee@labsphere.com

or contact the Hilton directly at:

<http://www.hilton.com/en/hi/hotels/index.jhtml?ctyhocn=GAIGHHF>

and mention CORM

Registration

Registration is being handled through the ISCC Website

www.ISCC.org

Rates

	Before March 30	After March 30
CORM Only	\$325.00	\$350.00
ISCC Only	\$325.00	\$350.00
CORM&ISCC	\$600.00	\$625.00
Students	\$100.00	\$100.00
(either meeting)		
CORM Tech. Sub-Committee Mtgs	Free	Free

Cut off date for reservation is **APRIL 8, 2004**

Hotel Information (Be sure to register early to get the CORM-ISCC Rate!)

Hilton Washington DC North Gaithersburg

620 Perry Parkway

Gaithersburg, MD 20877

Ph: 301-977-8900

Mention ISCC to get the special rate of \$109.00/night.

ISCC Preliminary Program

Monday, May 10th.

Morning

Interest Group II: Industrial Applications of Color

Gary Regulski, chair

Speakers include:

Mike Bradbury, Color Solutions International

David E. Dabney, Americhem

Bruce Mulholland, Ticona

Afternoon

Interest Group I: Basic and Applied Research

Milt Hardt, chair; Milt Misogaines, Vice Chair

Speakers include:

Dr. Joanne Zwinkels, National Research Council, Canada

Dr. Robert Hirschler, SENAI/CETIQT Colour Institute of Brazil

Evening

ISCC Awards Banquet

Tuesday, May 11th.

Morning

Interest Group III: Art, Design, and Psychology

Georgia Kalvinas, Chair and Marcia Cohen, Vice Chair

Speakers include:

John Dorsey Jr. Color Solutions International

Afternoon

2:00-4:00 PM

ISCC/CORM Joint Event

Poster Session- NIST

Karen Braun, chair

Tuesday Evening (7:00 PM)

Wine and Cheese Reception- Hilton Hotel

Wednesday, May 12th.

Morning

ISCC Project Committee Meetings

- ⊖ ISCC Project 51 on Guide to Material Standards
(A. Springsteen-Chair) Completed mission
- ⊖ ISCC Project 52 on Comparative List of Color Terms
(E. Carter-Chair)
- ⊖ ISCC Project 54 on Color of Maximum Content
(H. Fairman and R. Stanziola, Chairs)

ISCC/CORM JOINT MEETING
National Institute of Standards and Technology
MAY 10 -14, 2004, Gaithersburg, MD
Advances in Measurement Science for Color and Appearance

Name _____
(last name) (first name)

Badge Name _____
Company _____
Address _____
City _____ State _____ Country _____ Postal Code _____
Tel. (Include Int'l Code) _____ Fax: _____
E-Mail _____ Country of Citizenship _____

*Country of citizenship required for International Visitors due to NIST Security.

Accompanying Person (s): _____

Registration Fees:	Before Mar 30th	After Mar 30th
ISCC Annual Meeting Only, May 10-12	\$325 USD	\$350 USD
CORM Meeting Only, May 12-14	\$325 USD	\$350 USD
ISCC and CORM, May 10-14	\$600 USD	\$650 USD
Students, Either meeting	\$100 USD	\$100 USD
CORM Tech. Sub-Committees	Free (Registration Required)	

Registration Fees include corresponding Banquet and Wine and Cheese Reception

Cut-off Date for reservation: April 26th, 2004.

(Early cut-off date is required to meet NIST security requirements.)

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

ISCC Annual Meeting Awards Banquet May 10th Evening	\$ 35
Wine and Cheese Reception, May 11th Evening	\$ 20

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 Road
Reston, VA 20190
Tel: 703-318-0263 Fax: 703-318-0514
iscc@compuserve.com

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

Conference Hotel Information

Hotel Information:

Hilton Washington DC North
Gaithersburg
620 Perry Parkway
Gaithersburg, Maryland, 20877

Tel: 301-977-8900 Toll-Free: 1-800-473-7829

<http://www.hilton.com/en/hi/hotels/index.jhtml?ctyhocn=GAIGHHF>

Attendees should mention ISCC or the Inter-Society Color Council

Cost: \$109 per night

Directions from Washington Area Airports:

From Ronald Reagan Washington National Airport

Distance from hotel: 28 mi.

Drive time: 45 min.

Directions: North on the George Washington Exit to I-495 toward Maryland. Take Interstate-270 north toward Frederick. Take Exit 11 right to 124 east. Turn right on Route 355 south. Turn right at light, on Perry Parkway. Hotel is on the right.

From Washington Dulles International Airport

Distance from hotel: 32 mi.

Drive time: 50 min.

Directions: Take Interstate-495 north to I-270 north, to Exit 11. Right on 124 east, right at the second light (Route 355 south). Right at the next light, onto Perry Parkway. The hotel is on the right.

Baltimore Washington Airport

Distance from hotel: 45 mi.

Drive time: 55 min.

Directions: Take Interstate-95 south to I-495. Northern Virginia exit (outer loop) onto I-270 north. Take Exit 11 (Route 124E). Right on Route 355 south. Right at light onto Perry Parkway. Hotel is on the right.