

**CIE DIVISION 8 "Image Technology"
Third Meeting
Monday 10 April 2000
University of Derby, Derby, England**

Minutes

1. Opening of the Meeting

The third meeting of CIE Division 8, Image Technology, was held at Derby University on Monday April 10, 2000. The meeting was called to order at 9:30 a.m. by Division Director Todd Newman. The delegates were welcomed by Lindsay MacDonald of the Colour Imaging Institute

2. Announcements

The schedule and locations of Technical Committee meetings were presented.

3. Appointment of a Secretary

Director Newman indicated that he had received communications from Mr. Michael Stokes indicating that he could no longer serve as Secretary to Division 8. His resignation was accepted with regrets and a general request was made for a volunteer to assume the Secretary position. As there were no immediate volunteers, Mr. McDowell offered to prepare minutes of this meeting, assisted by Dr. Rich. The officers of the division will take responsibility for appointing a Secretary

4. Roll Call of Attendees

Those in attendance (See file Attendance) made self introductions.

5. Roll Call of Members

The roll call of national body representatives indicated that official delegates were present from the following seven countries:

Belgium	Mr. Marc Mahy	Present
Canada	Dr. Réjean Baribeau	Present
Germany	Prof. Dr. Bernard Hill	Present
Great Britain	Dr. Mike Pointer	Present
Italy	Dr. Paola Iacomussi	Present
Japan	Prof. Dr. Hirohisa Yaguchi	Present
South Africa	Represented by Ms van Tonder	Present

The following countries were not represented by official delegates: Finland, Hong Kong, Hungary, India, Norway, Romania, Russia, Spain, Sweden, Switzerland, United States. Those present were reminded that although the meeting discussions were open to all participants, only officially designated national body representatives were able to vote on any official actions.

6. Agenda

Director Newman presented the agenda (See file Agenda) and with the addition of liaison reports from CIE Divisions 1 and 2 it was approved.

7. Division Directors Report

Director Newman reported on the status of the Division (The slides used in the Division Directors report are included as file Dir_Report.ppt).

He indicated that a new TC had been formed at the last division meeting, TC 8-06, Image Technology Vocabulary. However, it would not be meeting during this week. The chair is Dr. J. Schanda of Hungary. The terms of reference are to liaise with the Vocabulary Committee, who are responsible for maintaining the International Lighting Vocabulary and the light and color sections in the ISO/IEC vocabulary.

Director Newman also reported that there were new membership classes approved recently by the CIE Board of Directors. The new membership classes will be less expensive than the current membership and will also allow for a corporate membership class. The CIE Board reported that the new classes were needed due to declining revenues from standards publications. Memberships incur two charges, a fee which covers the direct costs of a membership and a subscription which is used to cover the costs of the work of the CIE. The new membership classes are: Associate National Committee member, Associate Member (for technical experts in countries that have no national committee), and several levels of Corporate Membership.

Director Newman also commented that the CIE was struggling with the option to put drafts of CIE reports up on the world wide web for access by committee members and interested technical experts. The fear is that making the documents too available will further reduce the sales of the final document and that draft documents, containing typographical or technical errors will get out into general distribution.

Director Newman then reported that he has established a new, moderated Divisional email list at: CIEDivision8-L@vivid.colour.org.

8. Reports from TC Chairs

8.1 TC8-01, Colour Appearance Modeling for Colour Management Applications.

Chair, G. Dispoto, reported that the TC will hold its first face to face meeting on Thursday, 13 April 2000. He reviewed the progress of advances in colour

appearance models via TC members and noted that a recent paper by N. Moroney reported better hue constancy using CIECAM97s instead of CIELAB. He indicated that a more formal set of goals and procedures will be prepared and that more active participation from industry will be sought. M. Dispoto indicated that due to the press of business he needs to resign as chair of TC8-01 as of the end of the meeting on Thursday. However, he will continue his involvement with the TC and proposed that Mr. Nathan Moroney of Hewlette Packard Co., who has volunteered, be appointed as the new chair.

The Director asked for Division approval for this change of chairman. The vote was 7 for, 0 against, 0 abstain in favor of the proposal to accept Mr. Moroney as the new TC Chair.

8.2 TC8-02, Colour Difference Evaluation in Images

The current chair, M. Stokes has resigned and there has been no activity since the Warsaw meeting. Prof. R. Luo of Derby has volunteered to take the chair of this TC. Prof. Luo addressed the Division as to why he wanted to volunteer as chair and to request more participation as he begins to introduce the proposed CIE2000 equation into this committee for use in evaluation of images.

The Division delegates voted 7 for, 0 against, 0 abstain to approve Prof. R. Luo as the new chair of the TC8-02.

8.3 TC 8-03 Gamut Mapping.

Mr. Morovic reported that a literature survey on the subject of gamut mapping was taken from outside sources and will be published in Color Research & Application. For about one year they have been working on developing guidelines for testing gamut mapping algorithms. This week will be the third meeting of the TC.

8.4 TC 8-04 Adaptation under Mixed Illumination Conditions

Chairman N. Katoh sent in a written report. The committee has 9 members in total and has had two face to face meetings. The committee is developing guidelines for soft copy vs hard copy evaluation under office lighting conditions. They are focusing on CIE supplementary illuminants F11 and F10.

8.5 TC8-05 Communication of Colour

Prof. L. MacDonald had submitted his resignation at the last TC meeting and R. Buckley agreed to take over as chair. He has prepared a new program of work covering three areas: Terminology, Procedures for evaluation of colour spaces, and Methods of analysis of evaluation data. The task groups, associated with each of these areas, are being led by M. Pointer, K. Spaulding and R. Buckley. The desire is

to prepare a technical report to be drafted into a joint standard with ISO/IEC. CIE Division 8 will host a Colour Experts conference in November 2000, just after the annual IS&T Color Imaging Conference in Scottsdale, AZ. The subject will be the issues involved in Communication of Colour. TC8-05 is playing a major role in the preparation for and support of this meeting.

The Director requested approval for Mr. Buckley as the new chair of this TC. The delegates voted 7 for, 0 against, 0 abstain in favor.

8.6 TC8-06: Image Technology Vocabulary

There was no report from TC8-06.

9 Reports from Reporters

9.1 R8-01, Reportership on Grading of Color Measurement Equipment

Y. Ohno reported that this reportership mirrors on a similar one in Division 2. He noted that he has suggested to Division 2 that a method for instrument evaluation be developed using a form of the CIE Publ. 13.3 Color Rendering Index as a test metric. He want to continue this reportership as he follows the use of this index for testing colorimeters and digital cameras.

9.2 R8-02: Reportership on Fluorescence

A written report was received from C. McCamy recommending that a new TC be established to investigate fluorescence effects in imaging. After discussion of many of the issues involved it was agreed that this reportership should be closed and Mr. McCamy thanked for his fine work in this area.

However the Division felt that there was a need for another reportership on the effect of illumination and the level of fluorescence in an image. The exact title was given as, "To report on the effects of fluorescence in the characterization of imaging media". The reporter will need to define the issues and then report on what the terms of reference and working program should be for possibly a Division 2 TC. D. Rich volunteered to act as this reported and the attending delegates approved this action, 7 for , 0 against, 0 abstain. The reportership was assigned number R8-04.

9.3 R8-03: Reportership on potential CIE and IEC/TC100/PT61966 interactions

The report on this activity was included in the written report from Dr. Ikeda. (TC100_Rpt)

10 Outside Liaison Reports

10.1 CIE Division 1

Dr. Michael Pointer reported on liaison with CIE Division 1. His report is contained in file Div1_Rpt.

10.2 CIE Division 2

Dr. Y. Ohno reported on liaison with CIE Division 2. His report is contained in file Div2_Rpt.

10.3 Report from ISO/IEC/Joint Technical Advisory Group (JTAG) 2 for Imagery

The CIE Division 8 representative to JTAG2 is Tim Koehler. His report is contained in file JTAG2_Rpt

10.4 Report from the International Color Consortium (ICC)

The CIE Division 8 liaison to the ICC is Tim Koehler. His report is contained in file ICC_Rpt

10.5 Report from ISO/TC130, Graphic technology

The CIE Division 8 liaison to the TC130 is Dr. D. Rich. His report is contained in file TC130_Rpt

10.6 Report from ISO/TC42, Photography

The CIE Division 8 liaison to the TC42 is Mike Pointer. He presented a verbal report of the work of TC42 with particular emphasis on their work related to digital photography and the revision of the ISO 5 series of densitometry standards.

10.7 Report from ASTM

The CIE Division 8 liaison to the ASTM is Mike Pointer. His report is contained in file ASTM_Rpt

10.8 Report from IEC/TC100

The CIE Division 8 liaison to IEC/TC100 is Dr. Danny Rich. The report of IEC/TC100 activities is contained in the report from Dr. Ikeda (TC100_Rpt)

11 General Business

Professor Christine Fernandez-Maloigne of the French Color Group made a presentation on the need to develop a database and procedures for end-use driven decision determination about methods to use in processing a color image. The database would contain colour information, psychophysical information and image quality and robustness. It was proposed that this might form the basis for a new technical committee. The presentation materials used are attached as file French_Color_Gp_Rpt.ppt

It was decided that this proposal was too extensive to evaluate in the available meeting time and it was agreed that an English version of the proposal would be prepared and distributed to the Division for review and consideration.

12 Adjournment

The meeting was adjourned at 12:35 with thanks to all present for attending and in particular to Derby University for hosting the meeting.