

CIE TC8-05 Meeting  
5 Nov 2003 Scottsdale, AZ

1. Introductions: 20 attendees, see Attachment A
2. Announcements
  - a. CIE TC8-05 Appreciation Awards presented to Kevin Spaulding and Gus Braun for work in preparing the Colour Encoding Criteria Technical Report
3. Status of "Criteria for the Evaluation of Extended-Gamut Colour Encodings " Technical Report ballot
  - a. Ikegami-san raised the following issues
    - i. Section 4: Agrees with Katoh-san's comments.
    - ii. Section 3.1 "quantization error" is defined as colour differences for single code value changes. This is not the same definition for "quantization error" that has been used in other published reports. (We will adjust the terminology to something like "quantization interval".)
    - iii. Would like to see analysis of scene-referred colour spaces as future work.
    - iv. Votes "approval with comments" (choice 2)
  - b. Bill Donovan noted that there is a problem with the last sentence of step 1 in the "details" of section 4.
  - c. Naoya Katoh suggested that it should be noted that the real-world surface colour gamut and the photographic gamut are only representative examples and not definitive definitions; the data will be available on the TC web site.
  - d. Rob Buckley reviewed ballot results
    - i. Ballot sent to 11 TC members, 6 responses received: 2 approve as is, 4 approve with comments. Ikegami-san's report at this meeting makes 5 approve with comments. Therefore, a majority of the voting members approved the Technical Report.
    - ii. Contingent on satisfactory disposition of the comments, the Technical Report is approved.
    - iii. It was noted that Form F-1 "Assignment of Exploitation Rights for CIE TC Work" (from the "CIE Code of Procedures for Divisions and Technical Committees") needs to be submitted. Kevin Spaulding said that the Matlab scripts/data had passed internal review at Kodak before distribution to the TC members.
    - iv. Spaulding and Braun will prepare a revised draft to be distributed within the next 4 weeks. We did not discuss how long committee members will have to respond on the disposition of comments in this draft. (Suggest 2 weeks: Rob Buckley.)
    - v. Any last minute comments should be submitted by 11/14/03 to Rob Buckley, cc: Kevin Spaulding and Gus Braun. While the

formal ballot has closed, a reasonable effort will be made to accommodate comments received by 11/14. If a call needs to be made on accepting late comments, it will be made at the discretion of the Division Director, TC Chair and TC Technical Secretary.

- vi. The data and Matlab scripts will be available on the TC website (the Technical Report will give the URL) and will be archived at CIE Central Bureau.
4. Rob Buckley asked for suggestions for new work that this committee would like to address
- a. Evaluation of scene-referred colour encodings?
  - b. Evaluation of archiving (input-referred) colour encodings?
  - c. Should we tackle the task in the original terms of reference of trying to define a "minimal set" of colour encodings that we would recommend spanning the applications of interest?
    - Tony Johnson pointed out that TC42/JWG23 has discussed proposing colour encodings in additional parts of ISO 22028, although there has not been a New Work Item. At least one person was against the TC joining JWG 23 to work on this.
  - d. What do we want to be communicating, say for archiving applications.
  - e. Communication of High Dynamic Range colour image information (Proposed in hallway conversation after the meeting)

Once there is agreement on new work, this TC could take on the new work, provided it is consistent with our Terms of Reference (see Attachment B) or a new TC could be formed. An option is declaring that with the publication of the Technical Report we are done and disbanding the TC.

5. Rob will solicit input from the entire TC via the mailing list, and unless there is consensus on work that should be done, we will disband the TC.

Respectfully submitted  
Kevin Spaulding, Technical Secretary

Attachment A: Attendees

Todd Newman  
Ulrike Wolff  
Marc Mahy  
Raja Bala  
Naoya Kato  
Bill Donovan  
Po-Chieh Hung

Fumio Nakaya  
Hiroaki Ikegami  
Gus Braun  
Kevin Spaulding  
Danny Rich  
Harold Boll  
Ingeborg Tastl

Tony Johnson  
Masao Aizu  
Kazuhiko Takemura  
Ellen Carter  
Lars Borg  
Rob Buckley, TC Chair

Attachment B: TC8-05 Terms of Reference

*"To standardise a minimal set of techniques that enable unambiguous and efficient communication of the colour information in images. Two fundamental approaches will be addressed:*

- 1. The association with the image data of additional data that describes the colour space of the image data.*
- 2. The representation of the image data in a standard colour space.*

*The standard will also define a minimal set of standard colour spaces that addresses a wide range of imaging applications. Whenever possible, existing standard colour spaces will be used in preference to creating new ones. "*