

CIE Division 8 Technical Committee 8-03: Gamut Mapping

Progress Report No. 2 – 1st Half 1999

1 List of Members

Ján Morovic - chairman (Colour & Imaging Institute, UK)
Gus Braun (Rochester Institute of Technology, USA)
Bodrogi Péter (University of Veszprém, Hungary)
Fritz Ebner (Xerox, USA)
Mark D. Fairchild (Rochester Institute of Technology, USA)
Patrick Herzog (Aachen University of Technology, Germany)
Tony Johnson (UK)
Naoya Katoh (Sony, Japan)
M. Ronnier Luo (Colour & Imaging Institute, UK)
Marc Mahy (Agfa, Belgium)
Gabriel Marcu (Apple, USA)
John McCann (USA)
Ethan Montag (Rochester Institute of Technology, USA)
Hideto Motomura (Rochester Institute of Technology, USA)
Todd Newman (Canon Information Systems, USA)
Raimondo Schettini (Italian National Research Council, Italy)
Geoff J. Woolfe (Kodak, USA)

2 Current revision of time table/plan of work

2.1 Work Programme

- Review current gamut mapping algorithms and algorithms for calculating gamut boundaries.
- Provide guidelines for the evaluation of gamut mapping algorithms.
- Review results of gamut mapping algorithm evaluation done according to guidelines.
- Recommend a standard gamut mapping algorithm or a small number of algorithms and rules for deciding when each of them is to be used.

2.2 Timetable

Survey	02/1999
Guidelines	08/1999
Review results	03/2000
Write final report	06/2000

3 Progress since last report

- Bodrogi Péter and Raimondo Schettini have joined the TC.
- Survey of gamut mapping algorithms (including a brief classification scheme) has been completed.
- Meeting of TC held on 26th March 1999 in Derby (UK). Of the 18 participants 6 were TC members (Ebner, Johnson, Katoh, Luo, Morovic, Newman) and the most important points of discussion were the reproduction intent for the GMA to be recommended (including a discussion of the meaning of “accuracy”) and what should be included in the guidelines this TC is to prepare. See the minutes of this meeting for more details.

4 Plans for next quarter

- Publish survey of gamut mapping algorithms.
- Prepare guidelines for the evaluation of gamut mapping algorithms.