

Clear definition of Common Colour Appearance and Suggested Plan of Work

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Process Suggested



Positioning of this Reportership:

- Preparation for a new Technical Committee

Suggested Process (content of report):

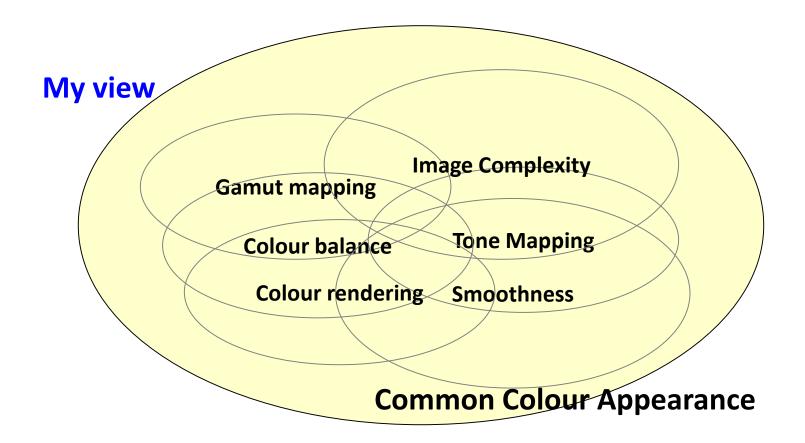
- 1. Problem statement What are we going to solve? Why this work is necessary?
- 2. Definition of key terms
 E.g. what is "Common Colour Appearance"
- 3. Some analysis / discussion What factors affect Common Colour Apperance?
- 4. Determine Terms of Reference for TC What to do in TC and what is output of TC?



Term "Common Colour Appearance"



"Image attribute which gives a sense of identity among a set of images which have different tone and colour"



My Analysis: What are factors?



Image complexity (I_c) Common Smoothness (S_m) Tone Colour **Appearance** Color balance (C_b) (F_{cca}) Color Gamut mapping (G_m) Color rendering (C_r) Light source (L_s) Others...

My Conceptual Goal



Find out the weighting coefficients for them?

$$F_{cca}=w_{ic}I_c+w_{sm}S_m+w_{cb}C_b+w_{gm}G_m+w_{cr}C_r+w_{ls}L_s+...?$$

Appendix: To Start a New TC



- 1. Title
- 2. Scope
- 3. Publication Type
- 4. Relation to and Impact on Existing Work
- 5. Relevant Country Participation
- 6. Initial Members (from at least five different countries)
- 7. Cooperation and Liaison (if applicable)
- 8. Affected Stakeholders
- 9. Scientific and Technical Objectives
- 10. Outline/Table of Contents
- 11. Work Plan
- 12. Copyright
- 13. Impact Metrics

Source: New Technical Committee Proposal.doc