Color Management serves as a comprehensive guide to the implementation of the ICC (International Color Consortium) profile specification, widely used for maintaining color fidelity across multi-media imaging devices and software. The book draws together many of the White Papers produced by the ICC to promote the use of color management and disseminate good practice; the ICC specification has become widely accepted within the color industry, and these papers have been updated, expanded and edited for this collection. Other chapters comprise material that will go on to form future ICC White Papers, as well as some original content. The ICC review process ensures that the material and recommendations included are collaborative, reflecting the input of the wide community of color and imaging scientists and developers who make up its membership. Readers can be assured of the best advice for achieving optimum results.

• Provides an overview of color management in applications and the role of ICC profiles in a color reproduction system.

• Presents user guidelines on color measurement procedures and discusses measurement issues for media such as optically-brightened papers and inkjet prints.

• Offers comprehensive guidance on the latest version of the specification and the application of the perceptual rendering intent with its reference gamut.

• Examines the construction and benefits of different types of ICC profiles, and sets out compliance test considerations, implementation notes and evaluation of profile quality.

• Includes a glossary of terms.
This book is written for color and imaging scientists developing, implementing and using color management systems within a range of imaging devices and software. Senior undergraduate and postgraduate students will also find the book of use.

About the Author

Phil Green is currently Course Director of the MSc in Digital Colour Imaging and a member of the Colour Imaging Group at the London College of Communication, UK. He is also Technical Secretary of the International Color Consortium (ICC) and is active in the CIE (International Commission on Illumination) TC8-03 report detailing guidelines for the evaluation of colour reproduction. He is an experienced author/editor, having written the books Colour Engineering: Achieving Device Independent Colour (Wiley, 2002), Digital Photography (Pira International, 1999), and Understanding Digital Colour, 2nd Edition? (GATF, 1999). His research interests include gamut mapping, colour appearance and colour difference in graphic arts media.

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