# Abstracts of articles


➞ p5
The world is more and more colorful. Everyone wants more and more high-colored pictures, usage of special spot colors, and insist always on same color of normal or security products independently of their information-carrier media. All of the processes helping this effort will be supported, including Color Management too.

➞ p13
Possibilities of color communication, home practice, expectations. Profitability and payoff of color management based on usage of ICC standards. Advantages and tasks.

➞ p19
There are a lot of personalities dealing with optics, coloristics like Huygens, Young, Newton, Goethe, Ångström, Fesner, Maxwell, Grassmann, Richter and Einstein. Goethe (the German poet) approached this subject from the direction of psychics and Newton's (English physicist) result were based on physical experiences. These studies have given a strict ground to the theory and practice.

➞ p24
Digital proofing with or without ICC. Since the arrival of the relatively cheap Drop-On-Demand (DOD) InkJet printers, Graphic Arts Industry no more can work without digital proof systems. We are eyewitnesses of a strong acceleration helped by CtP systems too. The main question now is: if the usage of an ICC technology is enough for the results wanted.

➞ p27
No doubt about: Color Management has always existed, but not in its present form. CM is a consistent transfer process of the color-data and -information through the entire workflow for ensuring the predictability of end result.

➞ p33
Interactive gamut mapping- or color separation on a higher level. How many colors can really „know" („see") the equipments: the digital cameras, scanners, monitors, proofers or even the four- or seven-color printing technologies? What does it happen when making – in a color managed workflow – an RGB-CMYK color conversion? This article is dealing with the mathematic basics of this in connection with gamut mapping-color spaces and with the interactive gamut mapping.

➞ p41
Since the appearance of Color Management, during the ten years elapsed, it has grown to be a professional basic technology of the modern media industry. Exhibitors of Drupa 2004 offered a lot of different PostScript products, systems, new, modern lighting- and color-measuring equipments, as well as displaying tools for the integrated color management purposes. This short survey gives detailed product information, review of conferences, and seminaries in connection with color management too.

➞ p51
Color, light and protection of work. Not only paper, ink, adhesives, hard covers and others but also the colors are basic tools of the printers. Without color does not exist print even not in B&W cases, not forgetting how many blacks can exist at all. So it is in the case of lighting in the printing industry. It has to come a new standard dealing with this, giving exact information on tolerances (in *lux*) of lightings of tools, rooms and of other workplaces.

➞ p55
Talking with teachers or artists about Goethe's coloristics theory you'll feel a strong resistance against it. But don't forget, Faust and this scientific color-theory were the basics of Goethe's life and existence. The start of this theory strongly differs from the basics of physical optics. Using a magnifying glass Goethe separated the colors which were contained in the light.

➞ p63
It would be hard to make a long treatise about this subject, because it doesn't exist within this publication media. Website making and seeing is generally made within PC's and RGB monitors' color spaces, so any conversion between color spaces between them on the web can not occur. In spite of this, perhaps it is useful to make a short surwey on the main trends of it.

➞ p65
It was since more than one a half decade, when we – at the Technical University of Budapest – started our work for dealing with the theory and practice of seeing, color vision, and color-blinding. We developed a mathematical model of color vision and color blinding and on basis of this we planned special looking glasses – having color filters – to correct color vision mistakes. More than 1000 patient have used succesfully these. The correction color layer can be put onto normal looking glasses with dioptry and to sunglasses too.

➞ p69
For color designer experts, *Coloroid Color System* of Antal Nemecsics, is a reference not only here in Hungary, but all over the world. László Neumann, the world-famous expert, professor has given a stable mathematic ground to this theory. Nemecsics's theory is well known and used worldwide since two decades, in spite of this, here in Hungary, it only this year has became a standard.

➞ p75
GMG proof and software producer company (of Tübingen) has achieved great success at Chicago (between 8–10. 2004) at the IPA Color Proof Meeting within the frame of IPA Technical Seminary. On the comparative, benchmarking competition, fifteen producers' sixtysix products had taken part. The aim of the meeting was to give information to the part-takers of the seminary about colorproof products of the present markets.

➞ p79
In the packaging industry there is a big market differentiation and new trends also appear, for example lower weights. The three well known exhibitions, *FachPack 2004*, this year, between 29. September and 1. October, in the Nürnberg Market Center will be organized again.

➞ p100
Gutenberg's world wide known innovation has only reached the Hungarian city named Veszprém at 1789 by grounding Streibig Printing House. Besides giving a short historic view of the town, you can get information about Veszprém's printing offices of today.

➞ p105
More than 2500 years ago, Socrates have written about the craftsmen living in that old times that "They are very skilly in their own profession, but in spite of this, they are only slaves, because they not at all know what is the good, beautiful and the right" This was only because he did not know the hand typesetters, who could produce masterly work of arts by using the strict lead material.

➞ p117
We let it known with a deep shock and sorrow that professor dr József Erdélyi has died at 26. 07. 2004. He was a grounding rector of Technical College of Budapest, and director of Sándor Rejtő Light Industrial College of Budapest. He was teacher, organizer, leader at the same time. In 1994 he became a doctor of chemical sciences. He had 56 publications in Hungarian, German and Russian languages. He had 12 patents and he had written 4 professional books. He has got order from the state. His death is a unreplacable loss for the home and international higher education.