

# AIC e-news

electronic bulletin of the International Color Association – November 2007  
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## Tarow Indow, 1923-2007



It is with great sadness that we received the notice of the death of Tarow Indow, who passed away on September 22, 2007. He was president of the International Color Association from 1974 to 1977, and received the AIC Judd Award in 1989, during the 6th AIC congress. Since the first number, in 1976, he was also member of the editorial board of the journal *Color Research and Application*. We will miss him. A text in memoriam of Dr. Indow has been published by the University of California, Irvine, at [http://www.socsci.uci.edu/newsevents/news\\_item.php?nid=1546](http://www.socsci.uci.edu/newsevents/news_item.php?nid=1546)

The following text is taken from the citation of the 1989 Judd Award, written by Heinz Terstiege, the president of the AIC at that time:

Tarow Indow was born in Tokyo, Japan, just ten days before his birthplace was struck by the historic earthquake in 1923. He spent his student life at Keio University where he received his BA in 1945 with summa cum laude and Ph.D. in psychology in 1959. For his Ph.D. thesis he was given an annual award of the Keio University.

During his work on the thesis he was given the opportunity of visiting the USA for three months. While staying at Princeton, he was exposed to a newly born idea: the method of multidimensional scaling. Munsell color chips are displayed as a 3-dimensional structure and spacing along each of the three attributes was thoroughly examined before. The method of multidimensional scaling however can give more quantitative information for the relationship between colors differing in more than one attribute and enables us to construct a configuration of points in an appropriate space according to mutual relationships between objects to be represented as points. Tarow Indow's experiments were supported by the excellent technology of Japan to produce color chips. Through these studies, the condition under which surface colors are embeddable in a three-dimensional space has been made explicit in such a way that Euclidian interpoint distances are proportional to perceptual differences between colors represented by these points. He tested various methods to quantify perceptual color differences, ranges within which color differences are meaningful for human eyes, and algorithms to define the configuration. He pointed out some anomalies in Munsell Hue Notation and Value Scale and he also showed some non-additivity involved in human assessment of color difference. The same methodology he applied to the OSA Uniform Color Scale.

Prof. Dr. Tarow Indow started his career at Keio University in 1948 where he obtained his Ph.D. and shortly after became a Professor of Psychology. He was a Research Fellow at Harvard University from 1963 to 1966 and a visiting member of the Carnegie Institute of Technology. Back in Japan he was Lecturer at the Tokyo University. In 1977 he became a visiting Professor of Psychology at the University of California, Irvine, and 2 years later Professor of Psychology. In addition he was since 1981 adjunct Professor at Rensselaer Polytechnic Institute in Troy.

Prof. Indow has published six books in Japanese, more than 100 papers in the Japanese language and 80 papers in the English language. He served on many editorial, consulting and advisory boards of scientific journals which include: *Perception and Psychophysics*, *Journal of Mathematical Psychology*, *Color Research and Application*, *Acta Chromatica*.

From 1970 to 1981 he was on the Executive Committee of the AIC and served as President from 1974 to 1977. His contributions to the science of color have earned him admiration and gratitude from colleagues and associates throughout the international color community. The 1989 Deane B. Judd-AIC Award honors one who played an eminent role in the science of color and is now presented to one who has contributed immensely to the science of color.



from: Heinz Terstiege, 1989,  
"Prof. Dr. Tarow Indow:  
Recipient of the 1989 Deane B. Judd-AIC Award",  
in *AIC Color 89, Proceedings of the 6th Congress*, vol. I  
(Buenos Aires: Grupo Argentino del Color), p. 21.

Tarow Indow presenting his paper on "Global structure and chromatic response functions of Munsell color space", at AIC 1989, the 6th Congress.

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## AIC Interim Meeting 2008, Stockholm, Sweden



Hosted by the Swedish Colour Centre Foundation, the conference will take place in Stockholm, Sweden, 15-18 June 2008.

New deadline for submission of abstracts (in English):  
**November 15, 2007**

The theme of the conference is "Colour – Effects & Affects".

The meeting will bring together experts from all over the world to exchange the latest information on the developments in colour science, colour design and colour psychology.

The conference will cover a wide range of topics related to the effects of using colour in interior and exterior design and how colours affect us.

- Different aspects of the effect of using colour in interior and exterior design like change of colour impressions depending on distance, light sources, colour combinations and interaction of colours.
- Different aspects of how colours affect us like colour psychology, colour meaning, colour associations and colour emotions.

The technical program will include invited papers as well as contributed papers and poster presentations. Conference contributions will be published in the conference proceedings.

### Conference topics

- *Environmental colour design*: colour in architecture and design; colour design for everybody; light and colour; colour, texture and surface material
- *Aspects of colour perception*: colour appearance; visual illusions and effects; colour memory
- *Colour psychology and communication*: colour symbolism and associations; colour semantics and emotions; colour harmony and aesthetics; colour linguistics
- *Colour in art and in culture*
- *Colour and education*

**Venue:** Hasselbacken (Hazel Hill), which has been an oasis for Stockholmers as early as the 18th century, started off as a restaurant as early as in the 1760s, and is situated on the Royal Djurgården, in the city center of Stockholm. Today the beautiful island offers entertainment and culture for both adults and children.



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Please visit [www.aic2008.org](http://www.aic2008.org) for updated information.

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## Other related meetings

### Color, present at CAC.2: Computer Art Congress and Art Works

26-28 March 2008, Mexico City, Mexico

The first CAC'2002 observed that the origins of computer art (CA) are to be found in the fields of art and sciences. This duality has greatly delayed its recognition. Today, we are witnessing the emergence of a multidisciplinary community which has been spurred on by the advanced computer sciences. Members of this community share certain "conceptions" related to visual art in general and to computer art in particular. Nowadays, six years later, we witness an enlargement of computer art boundaries mainly led by its unusual development. Distance between art and science has narrowed to the point that CA looks to be quite an independent and autonomous field striving to reach its maturity. From this perspective, CA cannot evolve separately from the IT development strategy. Today, along with digital content production, which is in some measure produced accordingly to collective intelligence schemes, we also observe emerging forms of CA that strive to develop new ways to interact with digital content, new artefacts that repurpose digital content and new paradigms that aim to make sense of CA.

## Aims and scope:

CAC'08, has chosen Mexico, to call artists, authors, creators, distributors, instructors, inventors, journalists, managers, producers, scientists and technologists concerned by those emerging artistic and technological forms, contributing, collaborating and exchanging their art-works, experiences, know-how, knowledge and visions on the "digital" Art. The Computer Art Congress endeavours to be a common forum for exchange between Artists, Researchers, and Technologists involved in this artistic area. The topics of the congress were chosen to establish a multi-disciplinary environment for participants from several backgrounds, to discuss how computer/media/network art can take its own place in the art.

## Topics:

The scope of the conference includes, but is not limited to, the following major topics:

Aesthetics of Computer Art, Animation and Computer Art, Algorithmic Art, Collaborative Art, Computer Art and art, Computer Art and non-linear culture, Computer Art and video games, **Color in Computer Art**, Digital Games Art, Global Culture, History of Computer Art, Interactive Computer Art, Linguistic and Computer Art, Music in Computer Art, New forms of Computer Art, Networked Art, Online Computer Art, Epistemology of Computer Art

## Presentation categories:

Plenary (keynote) presentations; Panels and roundtables; Workshops and tutorials; Exhibitions, demonstrations and posters; Communications and article presentations; Corporate showcases; Corporate stands.

Authors and artists interested may submit a 3-page proposal. To send a proposal, consider these specifications: Text: Arial, 12 pts., Accepted file formats: RTF, DOC (Verify that the file name only contains alphanumeric characters). For digital artwork: send a description of your work and ask for an account to upload your work via FTP.

All proposals must be sent to [everardo.reyes@itesm.mx](mailto:everardo.reyes@itesm.mx). Include the submission form into your proposal, which can be downloaded from <http://europia.org/CAC2>

## Location:

The congress' main location will take place at the Monterrey Tech Campus Toluca and Campus Estado de Mexico facilities in Mexico City and Toluca City, respectively.

Exhibition spaces will be held at important museums both in Mexico City and Toluca City.

## Important dates:

- Last Call for papers: November 10, 2007
- Submissions: December 31, 2007
- Proceedings file: January 31, 2008
- Early Registration: January 19, 2008
- Advanced Registration: March 14, 2008 (after this date, registration is on site)

## Proceedings and exhibition:

- Accepted papers will be distributed in a printed copy, published by Europia, Paris (not included with registration rates)
- A digital copy of papers will be distributed in the complimentary congress DVD
- Accepted papers may be selected for their publication in a special issue of the International Journal of Design Sciences and Technology, <http://europia.org/IJDST/index.html>
- Artistic works and demonstrations will be assembled and distributed in a complimentary DVD and on a dedicated FTP server

## Contacts:

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## Organised by:

The Paragraphe Lab, University of Paris VIII (France), the Monterrey Tech Campus Toluca and Campus Estado de Mexico (Mexico), and Europia Productions.

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## New color journal

### Colour: Design & Creativity



*Colour: Design & Creativity*, the new online journal from the Society of Dyers and Colourists (SDC), is intended to serve a gap in the marketplace by appealing to a multidisciplinary audience seeking a better understanding of colour and its application in design, theory and practice. In particular the journal will emphasise the synergy between colour and design, as opposed to their individual importance.

Comments editor, Prof. Stephen Westland, 'Although design is for convenience recognised as a discrete discipline, it is truly multidisciplinary, involving aspects of science, technology, art, crafts and business. Design represents one of the significant interfaces between art and science, and the journal will be dedicated to exploring this interface.'

Among the topics covered in the inaugural issue are colour and emotions, analysis of colours in branding, design concepts using thermochromic colour change, colour forecasting and preference in the fashion industry, and an article that describes what the author calls 'a new colour form'.

The journal will appeal to colourists, designers, scientists, artists and other professionals alike and seeks submissions of research related to colour: from explanatory papers, case studies and essays, to reviews of books, events, collections and installations. Being published online, a key feature will be the inclusion of 'galleries' of work, as well as material in movie and audio format. All articles will undergo a process of peer review, managed by the editor and assisted by a body of international experts forming an advisory panel.

In the first instance, *Colour: Design & Creativity* will be open access, thanks to funding received from the Worshipful Company of Dyers, and can be found at [www.colour-journal.org](http://www.colour-journal.org).

Anyone active in colour research, development and application is invited to submit material for subsequent issues, or to contact the editor, by emailing: [editorial@sdc.org.uk](mailto:editorial@sdc.org.uk).

**Issue 1:** *Colour: Design & Creativity* (2007) **1** (1)

[www.colour-journal.org/2007/1/071contents.htm](http://www.colour-journal.org/2007/1/071contents.htm)

#### Galleries

- Uncertain Harmonies by *K Laycock* (UK)
- Sample 7 by recent graduates from the University of Huddersfield (UK)

#### Review

- Colour Harmony by *S Westland, K Laycock, V Cheung & P Henry* (UK)

#### Articles

- Facial Expressions, Colours and Basic Emotions by *O da Pos* (Italy) & *P Green-Armytage* (Australia)
- Chromatic Identity: Analysis of Colours in Branding by *J L Caivano & M A López* (Argentina)
- Forensic Intimacy: A Digital Exploration of 'Non-Place' by *J Brogden* (UK)
- Design Concepts Using Thermochromic Colour Change by *R M Christie, S Robertson & S Taylor* (UK)
- Colour, Preferences and Forecasting for the Fashion and Textile Industries by *T D Cassidy* (UK)
- Air Grid: A New Colour Form by *V Watson* (UK)
- Study of Colour Shifts in Various Daylights by *M Hårleman* (Sweden)
- The Significance of Colour for Room Character by *M Hårleman, I-B Werner & M Billger* (Sweden)

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## The AIC in Wikipedia

Articles have been written for the AIC in Wikipedia. For the moment, there are texts in English, German, Portuguese, Italian and Spanish (thanks to Frank Rochow, Maria João Durão and Osvaldo da Pos for translations into German, Portuguese and Italian). Collaboration to translate this article into French and other languages of Wikipedia (or write new articles in these languages) will be appreciated. Also, feel free to edit or enlarge the articles already published. See <http://wikipedia.org>.

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