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AUSTRALIA

COLOUR SOCIETY OF AUSTRALIA (CSA)



Colour Society
of Australia

Knowledge
Inspiration
Community

Through its NSW and Western Australian Divisions, the Colour Society of Australia hosts webinars and live presentations on a broad range of topics spanning colour science and applied science, colour technology, colour in art and design, and colour education. We invite you to follow our [Facebook](#), [Instagram](#) and [LinkedIn](#) accounts, which we use to disseminate colour information and news, including our own events.

As of late 2024 the Colour Society of Australia had 134 members, comprising 61 in the NSW Division, 17 in the Southern States Division (Victoria, Tasmania and South Australia), 18 in the Western Australian Division, 7 from Queensland, and 30 international members, from the United States (15), the United Kingdom (3), New Zealand (3), Belgium, Canada, Germany, Hungary, Italy, Portugal, Sweden and the Netherlands (1 each).

The CSA national Annual General Meeting for 2024 was held via Zoom on December 10, and the following office bearers were elected to continue in their positions unopposed: Michael Dixon (President), Dr David Briggs (Vice President), Emily Guo (Treasurer), Glenys Thomson (Secretary) and Julianne Blackmore (Membership Secretary). Alessandro Premier accepted a position as Ordinary Member of the National Executive Committee and Emily Guo and David Briggs continued in their roles of Social Secretary and AIC Representative respectively.

NEW SOUTH WALES DIVISION EVENTS

The NSW Division continued its series of free webinars as well as having one in-person event in 2024:

- **February 17:** *Dynamic Colour in Digital Art* with Steve Forster (Long Island Academy of Fine Art, USA). In this, the fourth webinar in our Creating Colour series. Steve Forster gave a very detailed account of the principles behind his use of colour, followed by a demonstration of his digital painting process, from values to “wild colour”, and a lively Q&A session.
- **March 20:** International Colour Day 2024 event: *Phyllis Shillito and her Colour Curriculum 1945-79*. Our hybrid in-person and online ICD 2024 event centred on the colour teaching of pioneering Sydney-based colour and design educator Phyllis Shillito (1895-1980) and was presented jointly with Museums of History NSW. Three presentations established the context of Shillito’s teaching of colour. Dr Catriona Quinn examined the broader context of Phyllis Shillito’s impact on technical education and its relationship to the dynamic development of the Australian interior design profession. Jocelyn Maughan OAM, who studied colour directly under Shillito at East Sydney Technical College in 1956, gave a lively account of her recollections of Shillito and her approach to colour. And finally, Dr David Briggs presented an update on research he published with Eva Fay in the Proceedings of the AIC2022 conference, based on newly available material that confirmed the direct influence of theorists Munsell, Ostwald, Maitland

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Activities of the CSA WA Division, in 2024

WESTERN AUSTRALIAN DIVISION EVENTS

Western Australian Division held a series of live events through the year.

- **18th February:** *50 Shades of White* by Glenda Roff explored use of colour in kitchens, questioning whether they should be so often white. The presentation was followed by a hands-on workshop exploring subjective colour preferences through the concepts developed by Japanese colour theorist Shigenobu Kobayashi.
- **March 23:** International Colour Day event with Nancy Ballesteros (<https://treetopscolors.com.au>). Nancy gave a presentation and displayed a fabulous range of her specially treated wool and silk fabrics. The presentation was followed by the WA Division Annual General Meeting.
- **May 4:** *Colour Games* with Paul Green-Armytage and the Colour Literacy Project. At this session Paul introduced a new game played with a new set of playing cards and also raised awareness of the many roles of colour in our lives through a visual quiz matching words to images shown on screen.
- **May 9:** First meeting of the Archive Committee to review the very large CSA collection that had to be moved out of Curtin University. On 8th June the committee made a start on curation of the material, and on November 28 determined that the most likely venue will either be the State Library or North Metro TAFE.
- **May 13:** Visit to the *Animals Uptown Art Trail in Joondalup*. The Art Trail was a collaboration between local school students, CSA Membership



Secretary and acclaimed artist Sean Adamas, and Joondalup businesses. Trekkers could visit various locations across the city centre to check out the spectacular Asian elephant, leopard, meerkats, giraffe and many other creatures.

- **July 14:** *Salle des Depart* at the Grove. Annie Hoar and Dianne Smith presented the paper that Estelle Guerry was unable to present by Zoom at the 2023 Conference last October. The topic was the colours used in a room where bereaved people can say good-bye to their recently deceased loved ones. The afternoon workshop was led by Dianne, drawing on her experience of colour therapy to help us explore the relationship between colour and music.
- **August 24:** *Colour symbolism in different cultures: China and India* at the Grove. CSA, members Huilin Sun, who is Chinese, and Anita Grewal, who grew up in India,

tackled the subject of colour symbolism in the cultures they are familiar with. Anita showed us the Indian designs called Rangoli and we tried our hand at making these using colour cards, scissors and glue sticks on paper.

- **October 26:** *A Fresh Approach to Colour* at the Grove. A group of around 18 people participated in colour activities from the Colour Literacy Project with Dr Paul Green-Armytage and members of the Colour Society of Australia WA Division. The day's activities included some exercises from the Eye Opener series that have been developed for the Colour Literacy Project and that have been tested successfully with primary school students and with adults. Some new exercises were seeking feedback.
- **November 10:** Visit to the ABC Studios in East Perth. This was a special private viewing, organised for our CSA members and friends by our long-time member, Emma Fletcher who did the set design for a new series of *The Twelve* and gave a very good presentation from Emma regarding the challenges of set design and lighting.

CSA National Conference *Colour Matrix Sydney 2025*
The national conference of the Colour Society of Australia, *Colour Matrix Sydney 2025*, will be hosted by the NSW Division in Sydney on **October 31-November 2, 2025**. The venue will be the Royal Australian History Society's History House in Macquarie Street opposite the Botanic Gardens. The venue is in easy walking distance from many wonderful locations where we're planning to hold activities during the conference, so in-person attendance is a great idea, but we're also providing an online option for attendees and speakers.

Submission deadline for abstracts: **25 April 2025**

Acceptance for full-length/short presentation:

06 June 2025

Registration opens: **13 June 2025**

Early bird registration deadline: **29 August 2025**

General registration deadline: **26 October 2025**

The theme *Colour Matrix* acknowledges the importance of cross disciplinary approaches to colour in this era of ever-narrowing specialization. Participants are invited to consider how their own work involving colour may be of interest and of importance in other disciplines, or to critically contrast and perhaps reconcile different specialized approaches to colour within their own discipline. We encourage participation from designers, artists and other colour practitioners whose work references scientific or philosophical understanding of colour, from colour educators whose teaching programs span the art-science divide, and from scientific, historical and other researchers who believe that their insights about colour have relevance beyond their specialized areas of interest. Enquiries: csa.nsw.chair@gmail.com

Submissions may be for either full-length oral presentation (30 minutes including introduction and some questions) or a short presentation of up to 5 slides accompanied by an up to 10-minute oral summary. All abstracts will be reviewed by the Program Committee and scientific submissions will be anonymously peer-reviewed. In general, outreach-style papers of broad interest would be best suited to full oral presentation, while specialized original research might be better suited to our short presentation format. A pdf volume of the accepted abstracts will be posted publicly on the CSA website shortly before the conference. For further details including a link to the Abstract Template please see the full call for papers at <https://coloursociety.org.au/event-5983396>.

VALE

Our dear friend and veteran Colour Society of Australia Member **Annamaria di Cara Santos** passed away on Tuesday, April 30, after a long battle with cancer. Annamaria was a central figure in the CSA from the time she became a member in 1993, soon joining the NSW Division Committee and then serving in various roles including Chair of NSW Division (1999-2001) and National President (2001-2005).

BELGIUM

INTERDISCIPLINARY COLOUR
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ICA-Belgium Colour Talks, 2024

In 2024 we continued with our free online colour talks and we organised several events in Belgium.

SUNDAY MORNING COLOUR TALKS

The online colour talks are regularly attended by participants from more than 30 countries and are generally fully booked. We are very grateful to the speakers and the participants for their enthusiasm and interest.

Our speakers in 2024 were:

Catherine Borowski & Lee Baker - **How to Hack your Happiness Levels in 20 Minutes**

Catherine Borowski and Lee Baker are artists on a mission to improve quality of life through nature inspired public art. In their talk *Hack your happiness levels in 20 minutes* they explained why neuro-aesthetics, a combination of neuroscience, psychology, philosophy and the arts, can help us understand why and how our brains respond to aesthetic experiences.

Sonia van de Haar - **Place-Based Colour Design for Architecture**

Sonia van de Haar is an Australian artist and architectural colour designer. Her studio, Lymesmith, reflects her cross-disciplinary interests, and position outside of traditional gallery-based art making. Sonia spoke



ICA-Belgium Workshop Colour Stories, Gallo-Roman Museum, Tongeren

about her practice in colour design and site specific artworks for the built environment.

INTERNATIONAL COLOUR DAY 2024

On 17 March 2024, ICA-Belgium celebrated International Colour Day (ICD) with an online event of colour talks. For this occasion, we invited two guest speakers, each an expert in colour in their field.

Ulrike Koch-Brinkman - Pigments on Marble

The first speaker was Ulrike Koch-Brinkmann, a German archaeologist, specialising in the colour reconstruction of ancient sculptures. She spoke about Pigments on Marble and the Polychromy of Greek and Roman Ancient Sculptures. Her reconstructions of ancient sculptures were seen all around the world and were, at the time, also on view in the exhibition Antiquity in Colour, at the Gallo-Roman Museum in Tongeren, Belgium.

Stephen Westland - Colour Nowcasting

The second speaker was Stephen Westland, a British colour scientist and a professor of Colour Science and Technology in the School of Design at the University of Leeds. He spoke about Colour Nowcasting - AI and Sustainability, exploring colour trends in the context of the fashion and textile industry, and the possibility of using AI to predict what colours are trending now - so-called colour nowcasting.

The recordings of all their presentations can be found on our YouTube Channel and on <https://www.ica-belgium.org/t/colour-talks>.

EVENTS

Workshop Colour Stories - Colour Mapping the Living Past Gallo-Roman Museum in Tongeren, Belgium

On 27 April 2024, ICA-Belgium organised a 1-day workshop **Colour Mapping the Living Past: Reimagining**

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a **Colour Narrative**, hosted by the *Gallo-Roman Museum* in Tongeren, led by *Maja Kaurin*, *Inez Michiels*, and *Jeannette Hanenburg*. This workshop brought together colour experts from various disciplines to explore the combination of colour mapping, mythology, storytelling, and composition.

The workshop started with *Jeannette Hanenburg* presenting the RAL tools for colour design, the sponsor of the workshop.

Maja Kaurin gave the introduction to **colour mapping**, followed by a visit to the *Antiquity in Colour* exhibition. Using RAL fans, the colours of selected statues were recorded by the participants and taken into the next part of the workshop in which *Inez Michiels* told the *Lion Story*.

Participants thus discovered that the themes and associated colour combinations from this ultimate heroic myth of the *Journey of the Sun*, a tale of victory over death that dates back over 6000 years, can be retrieved to this day in advertising, illustration, film.

The mythological segments from this universal story formed the basis for the final part of the workshop. Thus, *Maja Kaurin* introduced the participants to the **fundamentals of colour composition**. Next, based on a set of cards depicting the myth's elemental concepts and their metaphors, a unique story was created by each participant and translated into a colour composition. The stunning results were finally exhibited.

Walk & Talk/Meet & Learn event for ICA-Belgium members

Villa Empain, Brussels, Belgium

At the end of June, we had a wonderful **Walk & Talk / Meet & Learn** event for ICA-Belgium members at the *Villa Empain* in Brussels, a masterpiece of Brussels Art Deco architecture, built at the beginning of the 1930s by Swiss/Belgian architect *Michel Polak*.

We visited the exhibition **Josef and Anni Albers: Iconic Couple of Modernism**, the first exhibition dedicated to their work in Belgium.

With almost hundred artworks (paintings, assemblages, photographs, graphic works, textiles, films and furniture), the exhibition presented a fascinating sample of the work of *Josef and Anni Albers*. We did what we love most - immersing ourselves in colour and talking about it a lot, of course!

GROWTH AND DEVELOPMENT

2024 was a year of further development for ICA-Belgium. We worked on developing a new website and newsletter, hoping to be thus able to provide our members and readers with easier access to information, a publicly accessible archive of all the news and a better way to connect and share their colour related news with us and each other.

In September we welcomed our new volunteer, **Joanna van Gent**, who helped us with social media, creating



Colour Fields by Nanna van Heest

videos about Colour Forecasting in preparation of our **Colour Forecast Research Workshop with Anna Maria Nyk** (postponed for 2026).

We are working on several colour workshops and colour study trips for 2025 and 2026, as well as developing closer collaboration with Belgian institutions and other colour associations.

All our upcoming events and an archive of our colour news can be found on ica-belgium.org.

NEWS FROM ICA-BELGIUM MEMBERS

Vinciane Lacroix

2024 was a successful year for my artistic exploration of digital color. I launched *Chromagenesis*, a process aimed at capturing the colored soul of a painting. By digitally reordering the pixels, I create new compositions that explore the interplay of color and form. This digital collage technique transforms familiar artworks, inviting viewers to experience them anew. To celebrate

Ensor's year, I generated two Ensor Chromageneses. A well-received exhibition showcased this technique. I continued my color challenges on vincianelacroix.net (French) and color-time.net (English), refreshing both websites. My science-infused color talks reached diverse audiences (CEPULB, Académie Constantin Meunier, atelier couleur de Caroline Dujardin). An article on gray in *Artichaut* further highlights this success. Looking ahead, 2025 will see a dedicated website for Chromagenesis (chromagenesis.net) and new exhibitions. I plan to finish the color challenges and continue blog posts. I'm also eager to adapt my color conferences for new audiences.

<https://www.vincianelacroix.net>

<https://color-time.net>

Nanna van Heest

Nanna van Heest continued in 2024 to focus on the impact of colour and explores how personal memories and associations can enrich and expand existing colour

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theories. In order to fully understand the phenomenon of colour and train her eye, Nanna often works in series. Through the systematic execution of colour studies, she investigates both the optical effect and the personal experience of colour. This visual research began during her master's research "Colour Stories" (Piet Zwart Institute Rotterdam, 2021). This approach allows her to artistically explore colour and theory and translate it into visual work.

Exhibitions, workshop & publication:

- January: *Textile installation ColourSpace* / Group exhibition CHESS, Berlin
- May: *3-day workshop Making Colour* / art academy Zuyd-university of applied science, Maastricht
- July: *Textile installation Colourfields* / Group exhibition TUSSEN RUIJTE, Het Archief, Rotterdam
- October: *Publication of my master's research Colour Stories* / HANDS ON RESEARCH, for artists, designers and educators (published by Set Margins)
- December: *Mural Paradigm Shift* / Group exhibition TELE GREY FLAMINGO PINK, Murals Inc, Rotterdam

Autonomous work:

- *Colour Fields* – large scale textile works
- *Colour Studies* – ongoing series of studies in oil pastel on paper
- *Colour Landscapes* – imaginary places and horizons, series of collages of coloured paper
- *Paradigm Shift* – daily colour notes, series of 100 oil pastel drawings

<https://www.nannavanheest.com>

<https://www.instagram.com/nannavanheest>

Felix A. D'Haeseleer

Besides the two yearly seminars on color I conducted at home in 2024, I was invited to teach my hands-on lesson on color in a few art schools. The Library of the Seminaire de Couleur made new acquisitions, among them a stunning hand-painted and hand-typed 17-page A4 book on color from the 1960's by a young student in a Belgian technical school (see image). Since early January, the very first copy of "S'Aiguiser l'oeil à la couleur", my hand-made book for autodidacts and bibliophiles is sitting on my desk. During 2025, the



Le spectre solaire, hand-painted by J.Y. Hellin, 1960s

contents of the two boxed volumes will be the subject of *show and tell* events. A presentation clip will also be posted on social media. Each copy will be constructed to order only. Sometime this year the ICA-Belgium will schedule my presentation of the original edition of *Interaction of Color* by Josef Albers, the teacher of my teacher. In addition to the two yearly seminars I conduct at home, I will be teaching my lesson on color to students of book-binding, as an in-service training for art teachers and in the framework of *Antichambre La Cambre*.

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Interdisciplinary Colour Association Belgium (ICA-Belgium)

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BRAZIL

ASSOCIAÇÃO PRÓ-COR DO BRASIL



Associação ProCor do Brasil is a rich network of color enthusiasts and this report shows some of members highlights in 2024.

MEMBER ANA LAURA ALVES COMPLETES HER DOCTORAL THESIS: COLOR – AN ERGONOMIC VARIABLE ON THE PERCEIVED USABILITY, AESTHETIC INTERPRETATION, AND EMOTIONAL RESPONSE IN DIGITAL INTERFACE

In the previous year, experimental studies evaluated the influence of color, first on decision-making and mental constructs and then on perceived usability, aesthetic interpretation, and emotional evaluation when interacting with a mobile application for medical schedule, developed as part of the doctoral thesis titled 'Color – An ergonomic variable on the perceived usability, aesthetic interpretation, and emotional response in digital interface' authored by **Ana Laura Alves**. Due to vision deterioration in aging and its possible effect on the interpretation of chromatic information, the potential generational differences between young and old age groups were also analyzed as a variable. This thesis adopted methodological procedures based on inductive reasoning, characterized by a mixed and transversal approach. The results showed the relevance of color as an ergonomic variable in decision-making and in human-digital interface interaction. However, the influence of color on the experience of using the

application was not identified; it was only based on the dimension of perceived usability. The author highlighted that due to psychophysiological characteristics, designers may encounter nuances in the perception and interpretation of visual messages among individuals of different generations and thus have difficulty creating and validating visual cues applied to user interfaces of mobile applications and other types of interfaces. The thesis can contribute to scientific knowledge in the areas of color applied to Design, Ergonomic Design, and User Experience, as well as design guidelines for professionals in the creative industry. The results and insights will be published as research articles and shared with the AIC community as soon as possible. Congratulations Ana Laura!

MEMBER FABIO RITTER PRESENTS: DESIGN THINKING, POLICROMIABR, AND THE VALORIZATION OF BRAZILIAN IDENTITY IN VISAGISM AND INTERIOR DESIGN

This study investigates the application of Design Thinking in the creation of color palettes, integrating research developed by the PolicromiaBR group, led by Fábio Ritter, professor, doctoral candidate at Anhembi Morumbi, and member of ProCor Brasil. The PolicromiaBR brand, registered with INPI (National Institute of Industrial Property), is dedicated to mapping the colors of Brazilian culture, valuing national identity, and promoting diversity and representation in the practices of visagism and interior design.



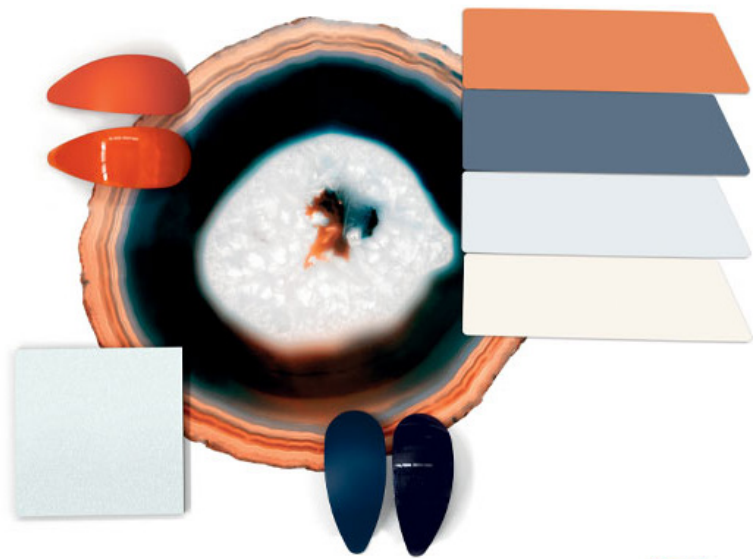
Fabio Ritter

Although widely used, color palettes in these areas often lack scientific grounding, resulting in limited and exclusionary solutions. The research connects elements such as biodiversity, regional traditions, and Brazilian cultural manifestations, promoting palettes that respect social plurality and address issues such as gender associations, avoiding stereotypes, and creating more inclusive and representative combinations.

Through the application of Design Thinking, the methodology encompasses stages such as user analysis, creative ideation, prototyping, and validation, ensuring aesthetically harmonious, culturally significant, and technically grounded results. This approach personalizes visagism and enriches interior design with cultural authenticity, positioning Brazil as a global reference in innovative and inclusive chromatic solutions.

MEMBER LECHLER PRESENTS: "THE WAY OF LIVING EMOTIONS" – COLOR DESIGN@ LECHLER

A chromatic journey that weaves together emotions and values, a narrative that embraces the past and looks to the future, thus translating interior nuances into collective experience.



Lechler Color Design

"The way of Living Emotions", the Lechler Color Design project for 2025, aims to convey authentic and lasting emotions, going beyond the simple concept of colour harmonisation. An inner journey made of progressive and significant steps that lead to a stable and conscious change.

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ASSOCIAÇÃO PRÓ-COR DO BRASIL

The collection goes beyond the mere harmonious design of colour to focus on the emotional design of environments. The goal is to arouse slow-release emotions, capable of stimulating altruistic feelings, a sense of shared responsibility and a deep connection with the social and relational context.

The intent is to draw a clear distinction between ephemeral, momentary and superficial happiness, and deep and lasting joy or happiness, while promoting an authentic and open approach towards others and the world.

The collection's colour schemes have been designed to enhance the emotional dimension of colour, thus designing environments that exalt the most genuine and profound sensations. This attention involves the entire habitat universe: from the industrial manufactured items of the Lechler Tech world, to the furnishings with IVE products, up to the walls characterised by the products and colours of the **new Chrèon project "Color Trainer, Guida Interni, Inspiring Matrix"**.

It is the colours that guide the path of introspection that evolves over time, thus leaving an indelible mark.

The collection is developed through five thematic harmonies, defined as "metamaterial" for their ability to embrace different sensorial forms. Each theme represents a stage of a profound emotional journey:

1. **Thoughtful Serenity:** spaces that invite reflection, thanks to a colour palette without evident contrasts, able to create an atmosphere of tranquillity, serenity and introspection. This harmony is designed for those who wish to rediscover, through a visual context that encourages, a deep reflectiveness.
2. **Natural Balance:** colours inspired by nature, such as greens and desaturated colours, which evoke balance, natural equilibrium and harmony between the environment and the individual, thus rediscovering the bond with the natural context.
3. **Comfort:** welcoming environments that convey a sense of protection, security and emotional stability, offering refuge and support.
4. **Enthusiasm:** a celebration of enthusiasm and the joy of living, characterised by dynamism and lightness, while inspiring spontaneity and vitality.
5. **Fresh Desire:** a representation of the desire for renewal, hinting at the craving for innovation, for something fresh and lively, while inviting to explore new possibilities and embrace change.

The proposed emotional journey is divided into five main stages: inner reflection, connection with the universe, open-mindedness and emotional warmth, transformation, and renewal. Each harmony contributes through building a unique story, while inspiring and accompanying people on a journey that goes beyond aesthetics to embrace the deepest and most universal values of the human soul.



Renner Sayerlack

For more information on the exhibition and the collections, come and visit us in the Tortona area at Antica Fabbrica 14 in Milan or contact us at communication@lechler.eu

MEMBER RENNER SAYERLACK PRESENTS:

With over 55 years of history, Renner Sayerlack is a Brazilian multinational leader in the wood coatings segment. Present in more than 90 countries, the company operates manufacturing facilities strategically located in Brazil, the United States, Italy, and Chile, ensuring efficient production and proximity to its key markets. Recognized for its innovation, sustainability, and excellence, Renner Sayerlack continues to set a global benchmark in wood solutions development.

Renner Sayerlack has played a key role in promoting the use of colors in furniture, integrating technological innovation and design into its paint and varnish solutions. With a wide range of high-performance products, the company embraces global color trends that meet the demands of the furniture industry, architects, designers, and end consumers, through a library of more than 8,000 shades. Additionally, the ability to develop new colors, customized according to professionals' requests, is enabled by the SAYERSYSTEM computerized tinting system and the SMART EYE equipment, which identifies colors and measures similarity levels. This approach not only emphasizes aesthetics but also sustainability and durability, positioning the company as a reference in the wood coatings market.

CANADA

COLOUR RESEARCH SOCIETY OF CANADA | SOCIÉTÉ CANADIENNE DE RECHERCHE SUR LA COULEUR

The Colour Research Society of Canada had an eclectic and engaging year of programming that included our online Kaleidoscope Lecture series, and online as well as in-person Members' Events.

This year, we welcomed new Board Members **Thoma Doehring**, **Setayesh Babaei** and **Carolina Espinoza-Sanhueza**. Thoma founded *Tri-City Paint & Design* and was the first female paint store owner in Canada. Founder of Thoma and Co Designs, she continues to pursue her passion for helping clients bring their spaces to life with expert color and design consulting for homes and businesses. Thoma is a Board Member for the Color Marketing Group® (CMG), and has recently cultivated an *Indigenous Colour Stories* initiative for the CRSC. Setayesh is pursuing graduate studies at OCAD University. Her studio practice revolves around the concept of healing through creative expression, where she explores materiality, colour, and diverse forms of artistic endeavor. Carolina, our 2023 Student Award winner, is an architect and researcher interested in lighting and colour application in architecture for well-being. She completed her PhD in 2024 on the photobiological effects of biophilic architectural applications including lighting strategies and interior colour design to entrain vision and circadian cycle in arctic regions. (Congratulations!)

As is our tradition, the CRSC celebrated **International Colour Day** with a Keynote lecture following our Annual General Meeting. Our 2024 speaker was



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Social Media post for International Colour Day. Design by Montaha Hidefi, image courtesy of Robin Kingsburgh.

Udo Schliemann, who gave a beautifully illustrated presentation *Out of the Blue? Colour as a Strategic Tool in the Built Environment*. As a lead up to ICD, our VP and Marketing and Communication Chair **Montaha Hidefi** organized and posted a 15-day social media campaign on International Colour Day, which was widely followed and shared.

Our **Kaleidoscope Lecture Series** continued. These online lectures are open to the public, consistent with our mandate to widely share colour knowledge. Colour and lighting, and particularly ideas about lighting for



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My First Language: Talks Around Colour

Tuesday, January 23, 2024
7-8 pm ET



Lynne McIlvride

Banner for CRSC Kaleidoscope Lecture by Lynne McIlvride. Design by Montaha Hidefi, images courtesy of Lynne McIlvride.

specific places and populations, was one through-line for our 2024 talks. Board member **Emily Grundy** rebranded a new **CRSC YouTube channel**, where we post select recordings for the general public, as well as our recordings archive available for CRSC Members and Colour Society of Australia members.

- **January:** Multidisciplinary artist **Lynne McIlvride** spoke about the role of colour in her mixed media maximalist artwork.
- **February:** **John Seymour** gave us his critical insights on *The Power of Red - A Critical Look at Color Psychology*.
- **April:** CRSC Treasurer **Venkat Venkataramanan's** spoke on current research on *Lighting for Older Adults*.
- **May:** **Bill Fischer** spoke about his work on *Universal Color Design: Creating Rich Experiences for a Color-vision Diverse Population*.
- **October:** **Jeff Hovis**, spoke on how low-oxygen environments affect colour perception in those with and without colour vision deficiencies, in *Colour Vision Deficiency in Hypotoxic Environments*
- **November:** **Doreen Balabanoff** spoke on Colour and *Birth Spaces: Research for Transformational Change*

Our **Members' Nights & Events** included the continuation of the theme of light and colour. We held an in-person event in that drew many of our Toronto members to the Aga Khan Museum. We were joined by former CRSC Vice-President Glenn McArthur, who showed us his fascinating exhibit *Muqarnas: Form and Light*, on display outside of the Aga Khan. Glenn has travelled worldwide following his passion for these stunning geometries, documenting these beautiful examples of Islamic architecture. He gave us insight into the geometric building blocks used for these captivating designs, and described his travels and insights behind this fascinating architecture. Following Glenn's tour, we visited the *Light: Visionary Perspectives* exhibition, an extremely well-curated show featuring highly engaging installations on light, colour and form, by artists like Anish Kapoor, Tannis Nielsen and Olafur Eliasson.

In 2024, we continued our Members' Book club. This year's choice was Kai Kupferschmidt's enjoyable read *Blue: In Search of Nature's Rarest Colour*. Members from across the country gathered to discuss Kupferschmidt's colour blue, led by CRSC Treasurer **Venkat Venkataramanan**.

CANADA

COLOUR RESEARCH SOCIETY OF CANADA | SOCIÉTÉ CANADIENNE DE RECHERCHE SUR LA COULEUR

The **2024 CRSC Student Award** was presented to **Trevor Canham** of York University for *A Novel Technique for Visualising Multi-spectral Images*. Trevor studies colour imaging under the supervision of Michael Brown at York University in Toronto. His interests lie in the interaction between colour phenomenology and imaging systems. Thanks to Sherwin Williams for their generous support of the CRSC Student Awards.

MEMBERS' NEWS

Doreen Balabanoff, Professor Emerita, OCADU Faculty of Design continues her work with an international research project focused on transformational change for birth environment design. Funded by the Social Sciences and Humanities Research Council of Canada, the Partnership Development Grant facilitates collaborative research between partners at OCADU, U Florence, Boston Architectural College, and Flinders University (Australia). She reported on colour and light insight development for birth environment design in these presentations:

- 2024. Invited Speaker. Jan 28th LabCor-GI CorLuz: '(Im)materialities of Colour'. Organised by the Research Group on Colour and Light at the Centre of Research for Architecture, Urbanism and Design (CIAUD), Lisbon School of Architecture, in partnership with the Portuguese Colour Association (APCOR) and the AIC- International Colour Association Study Group on Arts and Design.

- 2024. Balabanoff, D., Harte, J. D., Dür, A., Fletcher, A. & Macchi, A. EDRA 55 'Human-centred Environments: Promoting design that sustains human prosperity, well-being and the global environment at all scales'. 19-22 June 2024, Portland, Oregon. Report from Terra Alta Birth Centre, Switzerland: Constructing and presenting a team-based live case study.

The OCADU **Sustainable Colour Lab** (Instagram: @ocadusustainablecolourlab) was launched in September 2024 in Toronto, by Co-Directors **Nicole Collins** (Associate Professor of Material and Visual Culture), Julia Rose Sutherland (Assistant Professor Material Art & Design and Indigenous Visual Culture) and Lauchlan Reid (Associate Professor and Chair of Illustration). An In-Conversation with Paintmaker and Artist Anong Beam of BEAM Paints was followed by a series of workshops focusing on the local Toronto Black Walnut as a source for dyeing, paintmaking and even as an abrasive in a soap-making workshop led by guest artist Lauren Nurse of Sheridan College and Small Spade Farm. Research continues in 2025 with more workshops and a Summer Institute, currently in planning.

Brian Funt presented a paper in collaboration with Alexander Forsythe at the CIC32 32nd Color and Imaging Conference, Montreal, December 2024 on: 'Assessing Color-rendering Differences in Cinematic Lighting with a New Metamer Mismatch Metric'. This paper introduces a new metric, the Camera Lighting Metamer Index (CLMI), rooted in the concept of metamer



Heart graphic for Casey House by Udo Schliemann.
Image courtesy of Udo Schliemann.

mismatching. The CLMI is for assessing the color-rendering differences of disparate sources when a single camera is used and the camera's spectral sensitivities are known. This metric can serve as a useful tool for cinematographers and visual effects artists, providing more predictable and precise control over color fidelity. Brian also had 2 papers accepted for publication:

- 'The object-color solid', Alexander Logvinenko, Brian Funt and Pouya Bastani. Accepted for publication in the Journal of Vision, 2025. This paper describes an algorithm which accurately computes the true object-color solid for the first time.
- 'Metamer Mismatching Predicts Color Difference Ellipsoids', Emitis Roshan and Brian Funt. Accepted

for publication in Color Research and Application, January 2025. The hypothesis advanced and tested in this paper is that the degree of color variability created by metamer mismatching is the primary (although not exclusive) factor underlying the variation in color-discrimination thresholds throughout color space.

Paul Haft is President and Chief Colour Officer at Haft2. Haft2 has been busy working on several interesting colour-related projects. One highlight is their work with the Alzheimer Society in Toronto and York Region to redesign and refresh their environments with new colours, graphics, and overall design. They are working with **Emily Grundy** at Sherwin Williams, to access their colour research when selecting paint colours. Here's a link to [the Toronto space](#). The York region space is still in

CANADA

COLOUR RESEARCH SOCIETY OF CANADA | SOCIÉTÉ CANADIENNE DE RECHERCHE SUR LA COULEUR

progress. Another Haft2 highlight is their work with Canadian Feed the Children, on developing a 10-year strategy and a new brand identity to be launched in May 2025. Part of the logo design process included informal research with Indigenous and African designers to provide feedback on the logo design and colour palette. The visual direction and initial colours can be seen in the microsite for the 10-year strategy [The Path to Kinvia](#).

Sara Hartland-Rowe had a solo show, *Trees, Animals, and Things* at Struts Gallery in Sackville, New Brunswick in 2024, and is working on a permanent public-art commission for the Dartmouth North Community Centre (installation, Fall 2025). Currently she is at the ZK/U Artist Residency in Berlin and will be travelling from there to Aix-en-Provence to see, for the first time, the light and colour so beloved by Cezanne.

CRSC Vice President **Montaha Hidefi** was elected as President of the Color Marketing Group® with an effective start on January 1st, 2025 Congratulations! Montaha was busy throughout the year with lectures and presentations around the world. She presented virtually at the Women In The Floorcovering Industry (WIFI), at the “It’s Your Turn” Book launch, at CMG’s Virtual Summit Reveal, and at the CMF Trend LAB 2024 at the Guangzhou 53rd China International Furniture Fair CIFE. She presented in-person at the

Business Workshop organized by Impact Events in Dubai, UAE, at the Hempel Middle East Color Trends Launch in Riyadh, Saudi Arabia, and at Neocon Shows in Chicago, IL. She also organized a virtual Trendclusive Masterclass on Pantone Color of The Year.

Robin Kingsburgh was an invited speaker at the XIX Color Conference organized by the Associazione Italiana Colore. She presented on: *Colour is for Everyone - Teaching Interdisciplinary Colour Foundations*. In 2024, she became a Board of Directors Member for the Inter-society Color Council, and a Section editor for the Color, Culture and Science Journal. She continued her work with the [Colour Literacy Project](#) and its website, where resources on a revitalized meta-disciplinary approach to teaching about colour are now available, for teachers of all levels.

In 2024, CRSC member, visual artist and Assistant Professor at the University of Regina, **Larissa Tiggelers** had two solo exhibitions, one public workshop and a self-directed artist residency. Tiggelers is steadfastly interested in exploring articulations of care through mindful colour selections, surface, and soft cumulative gestures. Her established painting practice investigates the unknowability of colour, the limitations of authorship, and quiet expressions of care and is grounded in feminism and epistemological inquiry into the study of colour knowledge and colour theory.



CRSC members playing with coloured shadows at the Aga Khan Museum. Photo courtesy of Judith Tinkl.

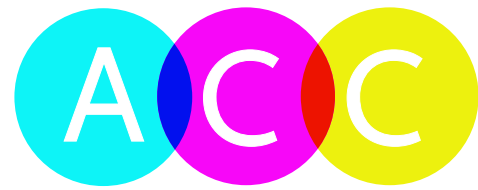
In 2024, **Judith Tinkl** displayed her colourful textile-based work in several exhibitions. Two were at the Station Gallery in Whitby, Ontario: their fundraiser *Drawing for Art*, and *Letters to the Earth between Despair and Hope*. She exhibited with her husband Viktor in *Whatever is Handy* at the Second Wedge Brewing Co. in Uxbridge Ontario, which was very well received. She was also in the *Uxbridge Studio Tour* in September and *Handmade* at the Blue Heron Bookshop in December. In November she participated in **Space & Place: A Making & Thinking Symposium**, at Harbourfront Centre in Toronto, where she was interviewed by Alan Elder, a respected Canadian senior curator, writer, and thinker.

They conversed about her memories of the history of craft in Ontario, where Judith played key roles in the development of early Craft organizations in Ontario, and the start of craft programs in Ontario Community Colleges established in 1967.

2024 CRSC Board: **Robin Kingsburgh** (President), **Montaha Hidefi** (Vice President), **Venkat Venkataramanan** (Treasurer), **Judth Tinkl** (Secretary), **Doreen Balabanoff** (Past-President) and Members at Large: **Vivian Lo**, **Sara Hartland-Rowe**, **Lora Di Fabio**, **Emily Grundy**, **Thoma Doehring**, **Setayesh Babaei** and **Carolina Espinoza-Sanhueza**.

CHILE

ASOCIACIÓN CHILENA DEL COLOR



ASOCIACIÓN CHILENA DEL COLOR



Ingrid Calvo Ivanovic presenting her Keynote Speech on the SCDS Framework at the AIC2024 Midterm Meeting

SUSTAINABLE COLOUR DESIGN STRATEGIES: A FRAMEWORK FOR THE FUTURE

In 2024, our member **Ingrid Calvo Ivanovic** actively promoted the *Sustainable Colour Design Strategies (SCDS) Framework*, a comprehensive tool designed to help designers, educators, and industry stakeholders make informed and sustainable colour-related decisions. The SCDS framework is the culmination of three years of research and consists of eight strategies and forty actionable recommendations. It addresses

critical issues such as fostering a sustainable colour mindset, integrating colour circularity, embracing local identity, and promoting bio-colour innovations. Ingrid showcased the SCDS framework at several design and colour venues, including her participation as a Keynote Speaker at two major international events: the *Biocolours2024 Conference in Helsinki* in June and the *AIC2024 Midterm Meeting: Color Design, Communication, and Marketing* in São Paulo in September 2024. The SCDS framework will also be published as a journal article in 2025.



The opening of the 'noi, voi ed io: i colori della collaborazione' exhibition at Bracciano (RM), Italy.



The Teamwork Colour Matrix exercises, the dataset of the exhibition.

'THE COLOURS OF COLLABORATION': AN EXHIBITION AT BRACCIANO, ITALY

In September 2024, **Ingrid Calvo Ivanovic** (U. de Chile) and **Francesca Mattioli** (Politecnico di Milano, Italy) co-authored a gallery exhibition titled 'noi, voi ed io: i colori della collaborazione' ('we, you, and I: the colours of collaboration'). The **exhibition** featured a data physicalization installation that explored colour as a tool for communicating individual and collective experiences of teamwork in design education. Building on their **Teamwork Colour Matrix**—a colour-based exercise for self and peer assessment introduced to over 1,000 students—the authors presented their findings and insights in the shape of data physicalization artworks, at the Rosticceria M gallery in Bracciano (Rome, Italy). The exhibition ran for a month and attracted more than 250 visitors.

Mattioli, F. & Calvo Ivanovic, I. *Have You Felt Blue or Red? A Colour-Based Tool For Culturally Plural Teams*. DS 110: Proceedings of the 23rd International Conference on Engineering and Product Design Education (EGPDE 2021). Hering: The Design Society. doi.org/10.35199/EPDE.2021. ISBN: 978-1-912254-14-9

CHILE

ASOCIACIÓN CHILENA DEL COLOR



Example of color catalogs made by children with Sara Viloria.

LATINOAMERICA IN COLOR, SARA VILORIA

The researcher, writer, and artist **Sara Viloria** held the workshop “Latin America in Color” every two weeks during 2024. This online project was aimed to vulnerable children across the Americas and it was developed in collaboration with the Canadian organization “Engagement Foundation” and its program “Geeky Latinas.”

This workshop, which combines art, science, and sustainability, highlights the identities of the participants and their environment, rediscovering the colors present in their territory through observation and the creative reuse of waste, debris, and discarded materials.

In the workshop, children explore how to classify and transform everyday and discarded materials into pigments that tell their personal stories, establishing a chromatic poetics with their own listings and nomenclatures by creating color catalogs inspired by the landscapes, biodiversity, and waste and debris characteristic of their communities.

This process not only fosters creativity and environmental awareness but also empowers participants by linking color to their cultural identity and the value of sustainability. This workshop, with a profound social focus, exemplifies the positive impact that can be achieved when the history of art is connected with contemporary landscapes and colors.



The image shows the analysis of a polychrome painted leather piece from the Regional Museum of Iquique, Chile (ANID FONDECYT 1190263).

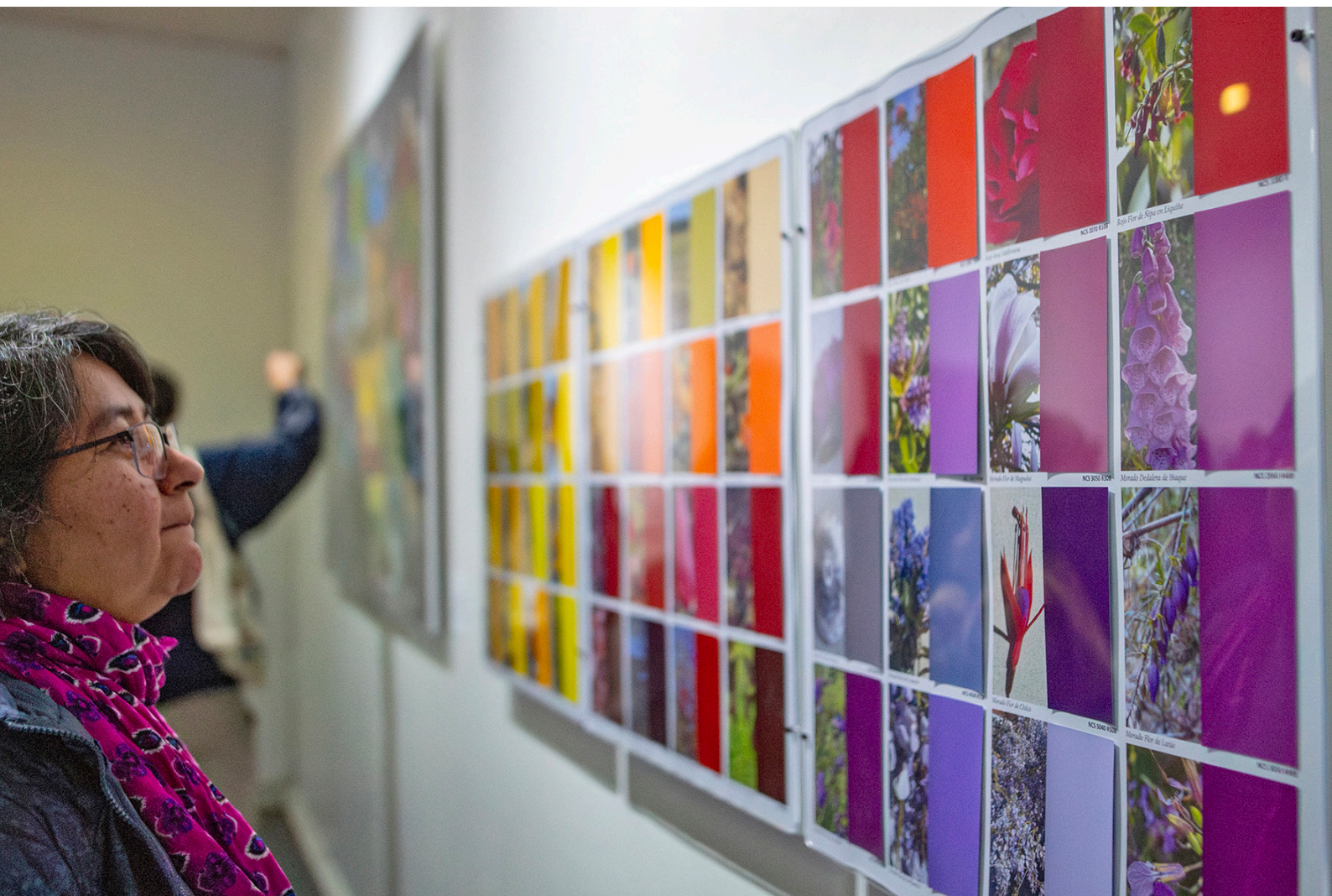
COLORS USED BY THE INCAS DURING THE 15TH AND 16TH CENTURIES IN PERÚ

The Chilean-French archaeologist **Marcela Sepúlveda** conducted a project from 2019 to 2023 with funding from ANID FONDECYT (1190263), focused on the pigment biographies of the Late Intermediate Period (1,100-1,350 AD) in the Atacama Desert. This project aimed to understand how mineral pigment mining, circulation, and consumption participate in northern Chile's social and economic dynamics of pre-Hispanic populations. Since 2024, she is engaged in a new research project (ANID FONDECYT 1240467) that examines the colors used by the Incas during the 15th and 16th centuries across various archaeological sites in Peru, Chile, Bolivia, and Argentina. This study employs an archaeological and archaeometric

approach, which includes the physicochemical characterization of archaeological materials, to explore the relationship between color and power within Inca society. Additionally, she participated in a project (ANID FONDECYT 1230858) led by **Paula Martínez-Sagredo**, which investigates the role of color's materiality in cultural memory from the 15th to the 18th centuries through an interdisciplinary lens that incorporates ethnohistory, linguistics, and archaeology. This project mainly focuses on archaeological materials, such as textiles, associated with Inca women. By combining a gendered perspective into the interpretation, this research aims to enhance our understanding of women's role in preserving cultural memory in the Inca society.

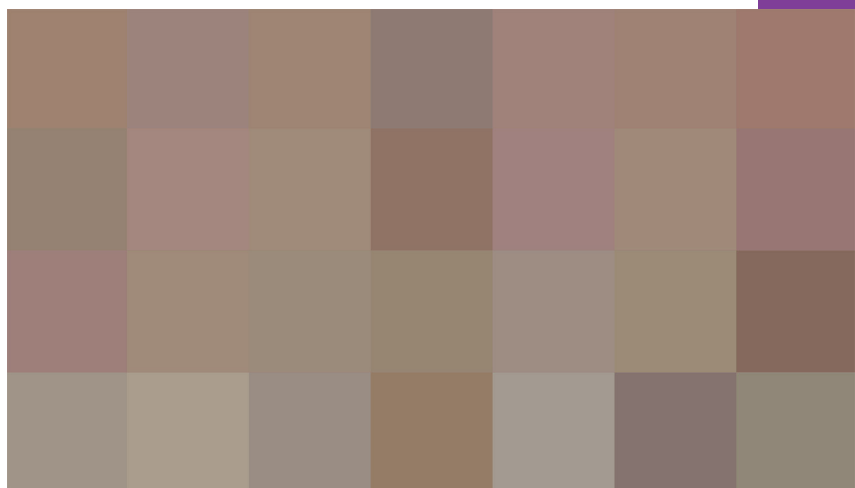
CHILE

ASOCIACIÓN CHILENA DEL COLOR



Panels with part of the project's colours of the "Los Ríos in Colors. Color chart from Southern Chile" exhibition, at Réplica Gallery

Seven columns, one per each participant, with the four most different colors within everyone.



“LOS RÍOS IN COLOURS. A COLOUR CHART OF SOUTHERN CHILE” PROJECT.

During 2024, work continued on the “*Los Ríos in Colors*” project. On May 29, 2024, the exhibition “*Los Ríos in Colors. Color chart from Southern Chile*” was inaugurated at the Réplica Gallery of the Universidad Austral de Chile. On the occasion, various works were presented that showed the colors collected during a year in our region: the general color chart with photographs of 208 objects and atmospheres of the region and its corresponding sample on NCS (Natural Color System) paper; the 40 color palettes made from the general chart; the mandala with the 208 colors differentiated by saturation; 35 watercolors made in situ, in different places in the region and at different times of the year; a sample of different soils; the map of the region and its colors; a table of rocks and the table with the team’s work tools. In September, the results of the project were presented at the AIC Midterm Meeting in Sao Paulo. In December the project was completed with the publication of a website and a printed catalogue, which is also available online. The project director is **Elisa Cordero-Jahr** and the collaborators are the forestry engineer **Víctor Gerding**, the geographer **Carlos Rojas**, the designer **Eréndira Martínez** and the color consultant **Ingrid Calvo Ivanovic**, in addition to other supporting professionals. This project was funded by the Ministry of Arts, Culture and Heritage (folio N°660802). More information and the online catalogue can be found on the webpage www.losriosencolores.cl and news on the Instagram [@colorrios](https://www.instagram.com/colorrios)

MESTIZO: SKIN COLOR IDENTITY(IES)

Researchers **Lina Cardenas**, **Alejandra Rojas**, **Katherine Mollenhauer** and **José Guerra**, conducted 2023-2024 a study that is part of a larger creative project that explores the relationship between the measured skin color and the individual perception of skin color with the aim to establish a psychological identity as proposed by Hammack (2008). During the first part of the research, a study was carried out using 50 volunteered participants tested for normal color vision. The participants had their skin color measured in different visible parts of their body and then they answered a questionnaire.

Initial results of this study showed a tendency among the participants not to recognize the color of their own skin. In addition, when evaluating the colors, the participants did not show negative connotations in their visual assessment. Finally, part of the material collected for this research will be used in the production of a visual arts exhibition that questions the reduction of the identity of skin color promoting education on diversity and inclusion.

Hammack, P. L. (2008). *Narrative and the cultural psychology of identity*. *Personality and social psychology review*, 12(3), 222-247. <https://doi.org/10.1177/1088868308316892>

CHINA

COLOR ASSOCIATION OF CHINA



Some speakers at the seminar of “Color Science and Image Technology 2024” held by Color Association of China (CAC) on 9-11 August 2024 in Xi’an Shaanxi.

The Color Association of China (CAC) is one of the committees of the Chinese Optical Society (COS), specialized for color science and technology. As the National Color Association, it joined the AIC in 1986, together with the Division 1 (vision and color) of China Illuminating Engineering Society (CIES). Its objectives are to encourage the research of color science and its applications in various aspects, and through seminars to exchange information and new technology about color.

ACTIVITIES IN 2024

On 9-11 August 2024 the seminar of “**Color Science and Image Technology 2024**” was held successfully in Xi’an University of Technology, Shaanxi. This seminar was hosted by the Color Association of China (CAC), together with the Technical Committees of Vision & Color and Image Technology of the China Illuminating Engineering Society (CIES). A total of 17 technical reports were presented by the experts coming respectively from Zhejiang University, Beijing Institute of Technology, Xi’an University of Technology, Yunnan Normal University, Northwestern Polytechnical University, Shandong University of Aeronautics, The Palace Museum, Huawei Technologies, Coloro Technology, Suzhou Baishiyuan Technology, Xiaoyuan Sensing (Beijing) Technology Co., Ltd, and etc. At the seminar, the participants earnestly exchanged

2024.1.22

均匀颜色空间
——颜色感知差异的定量表征

Uniform Color Space – Quantitative Representation of Color Perception Differences



2024.4.23

亦光亦影
——HDR成像技术初探

Light and Shadow
– An Introduction to HDR Imaging Technology



2024.5.21

HDR图像数据集：解锁真实视觉效果
密码

HDR Image Datasets: Keys to Unlock the Realistic Visual Effects



2024.7.18

从LCD到MicroLED：现代显示技术的变革与迭代

From LCD to MicroLED: The Revolution and Iteration of Modern Display Technologies



2024.6.19

从光子到图像——
相机如何捕获世界？

From Photons to Images
– How Do Cameras Capture the World?



2024.8.20

HDR影像技术：业界标准解读

HDR Imaging Technology: Interpretation of the Industry Standard



2024.9.20

美丽的结构色——微观世界的色彩魔术

The Beauty of Structural Colors
– Color Magic of the Microscopic World



2024.10.18

未经雕琢的图像之胚
——RAW格式的奥秘

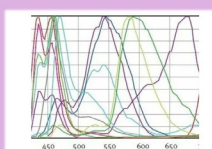
The Unpolished Image Embryo
– The Mystery of RAW Format



2024.11.21

多光谱成像：看见光的
更多可能

Multispectral Imaging:
Exploring More Possibilities of Light



2024.12.17

承上启下——HDR影
像阶调映射算法

Connecting Past and Future
– HDR Tone Mapping Algorithms



The topics of 10 popularization articles about color science and technology published on our WeChat account “Wonderfulness of Color” in 2024 by Color Association of China (CAC).

the academic trends, research experiences, and latest achievements in the relevant technical fields of color vision, color constancy, color reproduction, color management, color fusion, color database, HDR imaging, spectral imaging, compound eye imaging, image signal processing (ISP), color mapping of digital imaging devices, color correction of heritage images, image retrieval, digital detection, and so on. Finally, many professional issues, industrial applications, and development directions were discussed for the interdisciplinary science and technology of color and image.

At the **15th Asia Lighting Conference (ALC2024)** held in Seoul, Korea on 22-23 August 2024, among the 129 presented papers in total, 71 papers were from Chinese attendees, who also won 6 excellent papers, 15 excellent student papers as well as 6 innovative product awards.

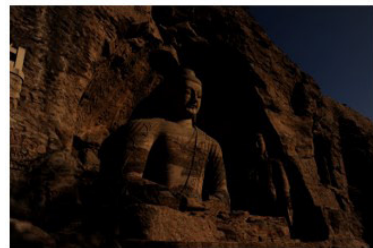
An exquisite essay was published on our WeChat platform via the public account “*Wonderfulness of Color*” on 21 March 2024 by the Color Association of China (CAC) to celebrate the **International Color Day 2024**. In the essay, the profound influences of colors on our emotions and behavior were revealed, involving

CHINA

COLOR ASSOCIATION OF CHINA

the psychological and emotional effects, cultural implications, historical evolution, and times features behind the red, orange, yellow, green, cyan, blue, purple, and neutral colors, along with their practical applications in art, design, and daily life.

To continuously popularize the related knowledge of color science and technology, a total of 10 specially written pretty articles were published on the WeChat account “Wonderfulness of Color” in 2024, including “Uniform color space – Quantitative representation of color perception differences”, “Light and shadow – An introduction to HDR imaging technology”, “HDR image datasets: Keys to unlock the realistic visual effects”, “From photons to images – How do cameras capture the world?”, “From LCD to MicroLED: The revolution and iteration of modern display technologies”, “HDR imaging technology: Interpretation of the industry standard”, “The beauty of structural colors – Color magic of the microscopic



Three SDR images (left) with different exposures and the HDR image (right) generated by fusing these three images. Scene: Cave No.20 of Yungang Grottoes, Datong Shanxi.

world”, “The unpolished image embryo – The mystery of RAW format”, “Multispectral imaging: Exploring more possibilities of light”, and “Connecting past and future – HDR tone mapping algorithms”. These articles have been widely read and highly praised by the big amount of more than 3600 followers.

The high dynamic range (HDR) imaging technology captures a wider scope of light intensities, providing more accurate and detailed representations of scenes, compared to traditional standard dynamic range (SDR) imaging methods. By changing exposure, HDR imaging is able to acquire fine details in both bright and dark areas, making it valuable for documenting intricate architectural specifics and textures of historical relics. The color science and imaging technology research team of Zhejiang University, in collaboration with the Shanxi Culture Relics Bureau, undertook the project “Research on key technologies

for HDR imaging and display of immovable cultural relics”. For high performance imaging, we proposed an efficient exposure time selection method to take into account the human visual characteristics and integrate HDR image fusion algorithms with the image signal processing (ISP) pipeline. For high fidelity displaying, we developed a specialized uniform color space suitable for tone mapping of HDR images. Our developed technologies were tested and applied to imaging practices at the Yungang Grottoes in Datong, Shanxi, one of China’s most renowned cave complexes, dating back to the Northern Wei Dynasty. Finally, we successfully took a series of HDR images and completed a 3D Gaussian radiation field reconstruction of the greatest Cave No.20, creating a highly detailed digital model of the relics.

FINLAND

SUOMEN VÄRIYHDISTYS SVY RY



Rune & Berg Design received the FCA Iiris Prize 2024 for their seminal contribution in color-centered design in built environments. In the image the president of FCA (2018-2024) Saara Pyykkö is holding the certificate with Lead Designer, Partner, Design Business Lead of Rune & Berg Design, Sara Tuohikumpu.

INTERNATIONAL COLOUR DAY

The Finnish Colour Association (FCA) celebrated the International Colour Day on the 21st of March by awarding the Association's Iiris Prize to **Rune & Berg Design** for their experience-focused color design in built environments. Since their founding in 2011, Rune & Berg Design have developed and grown into a

multidisciplinary team of experts that today numbers more than 20 people whose mission is to create holistic, multisensory and meaningful experiences in the built environment. Their experience-focused design philosophy includes responsibility, insight, user experience, comprehensiveness and collaboration. This philosophy is rendered visible in how each designed space has its typical color palette, feel of space and atmosphere. An airport lounge, company offices, hotels, and libraries are very different design environments for different kinds of users. Colors have been used to support a quiet or simulating working environment and intuitive or experiential public spaces, employing methods from service design. Color palettes have been adjusted for special needs where appropriate. Although the use of color is sometimes surprising and daring, it is easily approachable. Rune & Berg Design have shown with their vision how the quality of our built environments can be enhanced with color in various ways.

EXCURSION

FCA organized a visit to the exhibition *Colour and light – the legacy of impressionism at Ateneum* (Finnish National Gallery) on February 3rd, 2024. The members received a guided tour of the exhibition, after which they freely viewed the art and enjoyed a cup of coffee in the beautiful Café Höijer at Ateneum.

IIRIS SEMINAR

The association organized the traditional **Iiris seminar** on December 3rd, 2024 in the *House of Sciences and Letters* in downtown Helsinki. The seminar was organized in a hybrid fashion with 20 participants at the venue and 33 participants watching the seminar remotely. The topic of the seminar was ‘*Color pedagogy 2030*’ and the goal was to review the status of color teaching at different educational levels in Finland and discuss future goals. The vice-president of the SVY **Saara Pyykkö** opened the event and gave an introduction to the current status of color pedagogy. The first seminar speaker, **Harald Arnkil**, gave a presentation on the international *Colour Literacy Project*, who has been a member of the project team since its inauguration in January 2020. **Ville Huhtanen** from LAB university of Applied Sciences, Finland, followed with a talk on color education in technical universities. The final speaker was **Henri Hagman** from University of Lapland with a fascinating talk on how color education can mediate a sensory relationship to the world. The evening was rounded out with a lively panel discussion moderated by the SVY president (2024-) **Maria Olkkonen** and a lovely seminar dinner.

The seminar is available in Finnish via the following link: [Suomen väriyhdistyksen Iiris-seminaari 2024: Väriopetus 2030](#)

FINLAND

SUOMEN VÄRIYHDISTYS SVY RY



Panel discussion in the Iiris seminar organized in the House of Sciences and Letters on December 3rd, 2024. From left to right, Henri Hagman, Ville Huhtanen, Harald Arnkil and Maria Olkkonen.

INTERNATIONAL ACTIVITY

Harald Arnkil continues on his fifth year in the project team for the *Colour Literacy Project (CLP)*, focusing especially on developing information and resources for university-level colour teaching. The goal of the CLP is a web portal through which one can reach up-to-date and peer reviewed information and teaching material on colour (<https://colourliteracy.org>). CLP has organized four virtual *Colour Literary Forums* per year. The 2024 series of Forums, *Colour in Context*, was planned by Harald Arnkil who was also the speaker in the first Forum together with professor **Valtteri Arstila** (see <https://colourliteracy.org/colour-in-context>).

At the Finnish Color Association, no less than seven members of the Finnish Colour Association were working during 2024 on doctoral theses on various aspects of colour. The first to reach the final goal was **Veera Hatakka**, treasurer of the SVY, who defended their PhD thesis in linguistics titled *On the Borders of Colour: Semantics of Finnish Colour Expressions* (<https://helda.helsinki.fi/server/api/core/bitstreams/417c465d-75a2-484b-a501-bf403e6abfc0/content>). Several other

theses are scheduled to be defended in the course of this spring and summer.

The Finnish Architectural Journal published a color-themed issue 4/2024 (<https://www.ark.fi/en/2024/04/>) with several articles authored by FCA members:

- **Saara Pyykkö's** article "*Short Syllabus in Colour Research*" dealt with research-based color design in architecture (<https://www.ark.fi/en/2024/04/short-syllabus-in-colour-research/>).
- **Kati Winterhalter**, "*Layers of Intention*" (<https://www.ark.fi/en/2024/04/layers-of-intention/>)
- **Enni Heiskanen, Matti Pärssinen, Emmi Santamäki**, "*The Architect's Degree – in Black and White?*" (<https://www.ark.fi/en/2024/04/the-architects-degree-in-black-and-white/>)
- **Esa Laaksonen**, "*A First Step in Housing*" (<https://www.ark.fi/en/2024/04/a-first-step-in-housing/>).

Helsinki, February 15th, 2025
Maria Olkkonen
President
Suomen väriyhdistys SVY ry

FRANCE

CENTRE FRANÇAIS DE LA COULEUR



Centre Français de la Couleur



Jacqueline Carron in her painting studio at Poët-Laval (Drôme)

MEMBERS ACTIVITY

J. Carron (born in 1920), CFC doyenne, several interviews and TV shows.

A. Varichon, *Nuanciers chez*. Princeton University Press Princeton University Press ; with D. Cardon, Meetings on the know-how of the Mobilier National: Listing color, classification challenges © Mobilier National.

Parcours couleurs avec Passeurs d'Oeuvres Contemporaines, centres sociaux et médiathèques de Sète, CADA et école des beaux-arts, © Passeurs d'Œuvres Contemporaines.

C. Besse, *Minerals, gems, colors of art*. VAN CLEEF & ARPELS - MADISON AVENUE, NYC, a 6m long fresco in jade and azurite powders ; CARTIER - MIAMI, two frescoes with mineral powders malachite, lapis-lazuli, tiger's eye and golden garnet.

Exhibitions "*Romance in the stone*", Musée de Minéralogie des Mines Paris; MAISON & OBJET, ESPACE WHAT'S NEW IN DECOR?, Paris & Hong Kong.

Goody - Gilles EUGENE, invites you to discover his study, research and exhibition program which will extend over several years: "*Chemin de Croire*"; CFC newsletters editor.

L. Noury, “Symbolique des Couleurs. Art, design, architecture” dans le cadre de l’exposition de peintures tactiles, Salon d’automne La Grande Halle de la Villette; Salon de Charenton, 70th edition; «COULEUR et HAUTE COUTURE»

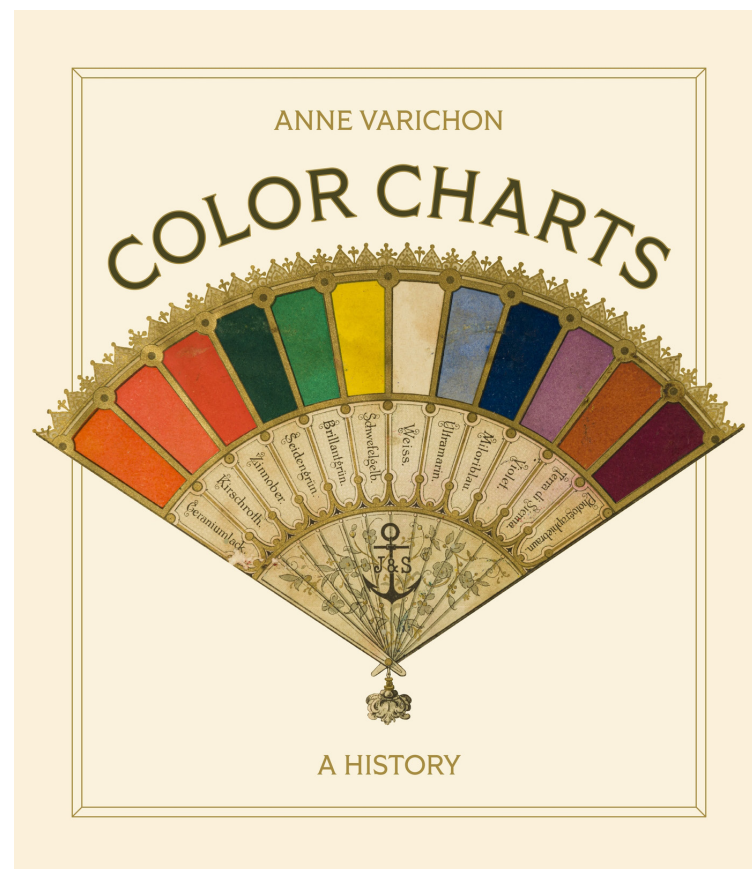
Exhibition «Ode au Vivant», galerie Agape, Paris; Landscape: Beyond the Visible, Paris; VENT, Ginza, Tokyo. <https://www.youtube.com/watch?v=GS7MhejX8fM>

P. Callet, March-June: *Colour of minerals and minerals for colour*; Course on colour and materials at Institut d’Optique Saint-Etienne, “Nuit des musées” at Museum of Mineralogy (School of Mines in Paris).

L. Tardy, a lot of commented visits at Louvre Museum, course on colour and Paintings at Institut d’Optique Saint-Etienne.

A. Vret, conference on Ochre in modern art, November 7th, Paris.

K. Bideaux, «Queer Futures, Violet Futures: Queer Modernity Symbolism of Violet in West Culture », *Color Culture and Science Journal*, <https://doi.org/10.23738/CCSJ.160212>, «Vilés Vilainés Violettes. Représentations des antagonistes en violet dans l’animation», *Real Colors and Cultures*, Mulhouse, «Des paillettes dans nos vies. Usages et significations des paillettes dans les pratiques artistiques et/ou militantes queeres», Toulouse.



Anne Varichon's new book cover page

FRANCE

CENTRE FRANÇAIS DE LA COULEUR

SOCIETY ACTIVITY

Commission Ethique et Restauration Numérique: **E. Trouvers, L. Tardy, P. Callet**, technical meeting on autochromes acquired in the 1920's at Albert Khan Museum for study on Delacroix colours and painting restorations.

May 16th is the **International Day of Light**. About 70 participants from different fields of research and artistic activities; Varnishes, historical uses in paintings and violin making, contemporary research on optical properties, ageing, digital techniques for survey, analysis, restoration.

Meeting with **CNRS GDR Appamat**, february and June in Lyon, Les dernières couches formalisant une peinture artistique, by **L. Tardy & E. Trouvers**.

L. Tardy, P. Callet, S. Depondt, Comments (on site) on ND-Paris cathedral at summer solstice and natural light.

On the restoration of Delacroix chef d'oeuvre La Liberté guidant le peuple. Comparisons Before-After and proposition



GERMANY

- DEUTSCHE FARBWISSENSCHAFTLICHE GESELLSCHAFT (DFWG)
- DEUTSCHES FARBENZENTRUM (DFZ)
- DIN-FNF (DIN)



Participants at "50 Years of DfwG"

DEUTSCHE FARBWISSENSCHAFTLICHE GESELLSCHAFT (DFWG) | GERMAN SOCIETY OF COLOR SCIENCE AND APPLICATION

DFWG 50TH ANNIVERSARY EVENT 2024

On the evening before the conference, 38 guests accepted the invitation to the traditional pre-event get-together, which took place in a brewery. Regional beer specialities were tasted, good food was enjoyed and interesting conversations were held in a cosy

atmosphere. The different colours of the various types of beer alone were enough to get people talking shop. You are always amazed at how many nuances there are.

A three-hour workshop on the development of colour measurement took place prior to the conference. The presentations provided well-founded introductions to historical, current and future approaches to measuring methods for colourimetry. Many thanks to all participants for their exciting contributions!

In keeping with tradition, the President opened the conference, followed by a welcome from the hosts. **Carmen Lang**, Managing Director of MICRO-EPSILON Eltrotec GmbH, surprised everyone with a laudatory speech and a birthday cake to mark the anniversary:

“Dear Board members, dear members, dear guests, it is a great pleasure for me to welcome you all here today. What a special occasion! 50 years of the German Society of Color Science and Application - that is truly a reason to celebrate. Congratulations on this impressive anniversary!

For half a century now, the work and discoveries of the DfwG have made a significant contribution to a better understanding of the world of colour in all its facets. From the study of how we perceive colours, to the measurement and standardisation of colours, to the diverse applications in areas as varied as design, art, medicine and industry - the DfwG has established itself as a shining star in science and has played a decisive role in shaping this development.

An anniversary like this is not only an opportunity to look back proudly on the successes achieved so far, but also to look ahead with optimism. The German Society of Color Science and Application stands for innovation and is held in high esteem in the industry. Its spirit of research remains unbroken and the voices of the luminaries who work here are heard around the world. Especially in the digital world, which is constantly evolving, colour technologies are playing an increasingly central role. Whether in image processing, in precise colour matching or in the design of virtual worlds - here too, the DfwG relies on state-of-the-art technologies such as artificial intelligence in order to always be at the forefront.

What always impresses me is the enormous passion that the members put into their work. The seminars, workshops and annual meetings that are organized provide an indispensable space for the exchange of knowledge and ideas. Each time I am inspired by the scientific presentations and new insights. And I always look forward to receiving this valuable content in printed form - to read, marvel at and think about. Finally, I would like to congratulate all our members, researchers and all those who have made the DfwG what it is today over the past 50 years. Let us celebrate this milestone and look forward to all that the future has in store for us.

Congratulations and here's to the next 50 years full of colour, science and innovation!”

Over the two days of the conference, 15 presentations were given on the main topics of colour measurement, appearance, HDR & colour printing and interdisciplinary colour. Many thanks to all the speakers for their great contributions! The first topic block “Colour measurement - basics” was particularly exciting. The contributions by **Tobias Schneider**, **Christoph Schierz** and **Udo Krüger** opened the discussion on the opportunities, consequences and risks of a possible transition to a new cone-based colorimetry, which is currently being discussed internationally.

The DfwG general meeting took place on Wednesday afternoon. During the meeting, long-standing members were honoured for their twenty and thirty years of membership of the DfwG, and the DfwG Sponsorship Awards 2024 were presented.

Lone Marleen Schindler was honoured for her bachelor's thesis at HAW Hamburg entitled “Psychological indicators of the effect of different coloured light stimuli”.

GERMANY

- DEUTSCHE FARBWISSENSCHAFTLICHE GESELLSCHAFT (DFWG) | GERMAN SOCIETY OF COLOR SCIENCE AND APPLICATION
- DEUTSCHES FARBENZENTRUM (DFZ)
- DIN-FNF (DIN)



"50 Years of DfwG" Publication Cover

Dr. Carl Fridolin Weber received the prize for his dissertation "*Studies on Gloss of Printed Surfaces*", which he wrote at TU Darmstadt. A gloss memory was created from his own print samples produced as part of the thesis.

Just in time for our annual conference, the commemorative publication "*50 Years of DfwG*" was published as Report 4/2024.

Its timely completion was only possible thanks to the contributions of the authors as well as the editorial co-operation and great support of **Frank Rochow** and **Werner Rudolf Cramer**. And thanks to **Andreas Kraushaar**'s unwavering optimism that the printed version could go to press in time for our conference - there were doubts in the meantime. **Ellen Stockmar** gave the commemorative publication a colourful and appealing layout and worked several night shifts to produce the printed version. Thank you for that!

In the anniversary year, it was particularly important to thank the many active members of the DfwG for their commitment. Whether for their work on the Board,

in the DfwG working groups, in the CIE divisions, on committees, in the editorial team of the DfwG Report, on the Awards Committee or as auditors, as advisors and friends who are always available - all of this makes the DfwG vibrant and contributes to the successful work of our organisation. We would also like to thank those who support us with the logo design and layout design, as well as those who maintain our website. After the members' meeting, a guided tour of Göppingen was on the programme. We were able to experience Göppingen as a Staufer city, water town and toy centre (e.g. Märklin railways). An entertaining walk through the town provided interesting details. This was followed by a festive dinner at the Hotel Hohenstaufen.

Andreas Kraushaar had prepared an anniversary quiz, which in the end **Tatjana Quast** narrowly won ahead of Team Farbenblind/Colourblind (Florian Süßl) and **Marcus Barbieri**. TechnoTeam kindly sponsored the 100 years of $V(\lambda)$ shirts for the winners. Thank you for an entertaining and enjoyable evening!

The second day of the conference also offered many interesting presentations on various colour-related

topics. The lab tour at lunchtime provided insights into the precise colour measurement and industrial application possibilities that are being developed at MICRO-EPSILON.

Exciting contributions and discussions from research and industry as well as the networking opportunities contributed to the success of our conference. Thank you to all speakers and participants for their contributions and for their interest! The abstracts of the presentations and the conference programme can be found in the DfwG Annual Conference archive on the website.

The conference in Göppingen left lasting impressions, new ideas and experiences. It was once again very enjoyable. Many thanks to MICRO-EPSILON Eltrotec for their hospitality, the insights into their fields of activity and the great support during the conference! With inspiring ideas and diverse topics, we look forward to another exciting event next year. The DfwG Annual Conference 2025 will take place in the University Colour Research Collection at TU Dresden.

GERMANY

- DEUTSCHE FARBWISSENSCHAFTLICHE GESELLSCHAFT (DFWG) | GERMAN SOCIETY OF COLOR SCIENCE AND APPLICATION
- DEUTSCHES FARBENZENTRUM (DFZ)
- DIN-FNF (DIN)



Participants at STADT-LAND-FARBE-2024

DEUTSCHES FARBENZENTRUM (DFZ) GERMAN COLOUR ASSOCIATION

2024 INTERNATIONAL CONFERENCE "STADT – LAND – FARBE", HAMBURG

The international conference STADT LAND FARBE, organised by the German Colour Association (Deutsches Farbenzentrum), the HAWK Hildesheim and the Fachschule Farbtechnik in Hamburg,

highlighted current approaches to colour design in urban and rural environments. Around 180 experts, including designers, architects and urban planners, as well as pupils and students, discussed the role of colour as a functional and design element. On both days of the conference, lectures such as those by **Dr Christopher Dell**, **Lina Lahiri** and **Prof. Esther Hagenlocher** structured the programme and offered insights into urban colour dynamics. Other contributions dealt with



Marcella Wegner-Di Gabriele, Dr. Stefanie Wettstein and Julia Hausmann

the historical and social aspects of colour. Sustainable material utilisation and cultural dimensions were also highlighted. Practical workshops made it possible to directly apply what was presented. An accompanying exhibition presented urban art and façade concepts. The conference marked an important moment in the interdisciplinary discourse on space, design and the complex interactions between colour and the environment.

DIN – FNF

In 2024 the following new standards have been published:

DIN 6171 - Draft: 2024-09, “*Aufsichtfarben für Verkehrszeichen und Verkehrseinrichtungen*“
(*Surface colours for traffic signs and traffic facilities*)

DIN 67520 – Draft: 2024-10, “*Retroreflektierende Materialien zur Verkehrssicherung - Lichttechnische Mindestanforderungen an Reflexstoffe*“
(*Retroreflective materials for traffic safety - Minimum photometric requirements for reflective materials*)

DIN EN ISO/CIE 11664-5:2024-10, “*Colorimetry - Part 5: CIE1976 $L^*u^*v^*$ colour space and u', v' uniform chromaticity scale diagram (ISO/CIE 11664-5:2024); German version EN ISO/CIE 11664-5*”

DIN 5033-9
Colorimetry - Part 9: 2024-07, “*Reflectance standard for calibration in colorimetry and photometry*”

DIN EN ISO 18314-4
Analytical colorimetry - Part 4: 2024-04, “*Metamerism index for pairs of samples for change of illuminant (ISO 18314-4:2024); German version EN ISO 18314-4:2024*”

For details about the work of DIN-FNF please see:
<https://www.din.de/en/getting-involved/standards-committees/fnf>

Deutscher Verband Farbe

Frank Rochow

(Chairman)

dvf@rochow-berlin.de

GREAT BRITAIN

THE COLOUR GROUP (GREAT BRITAIN)

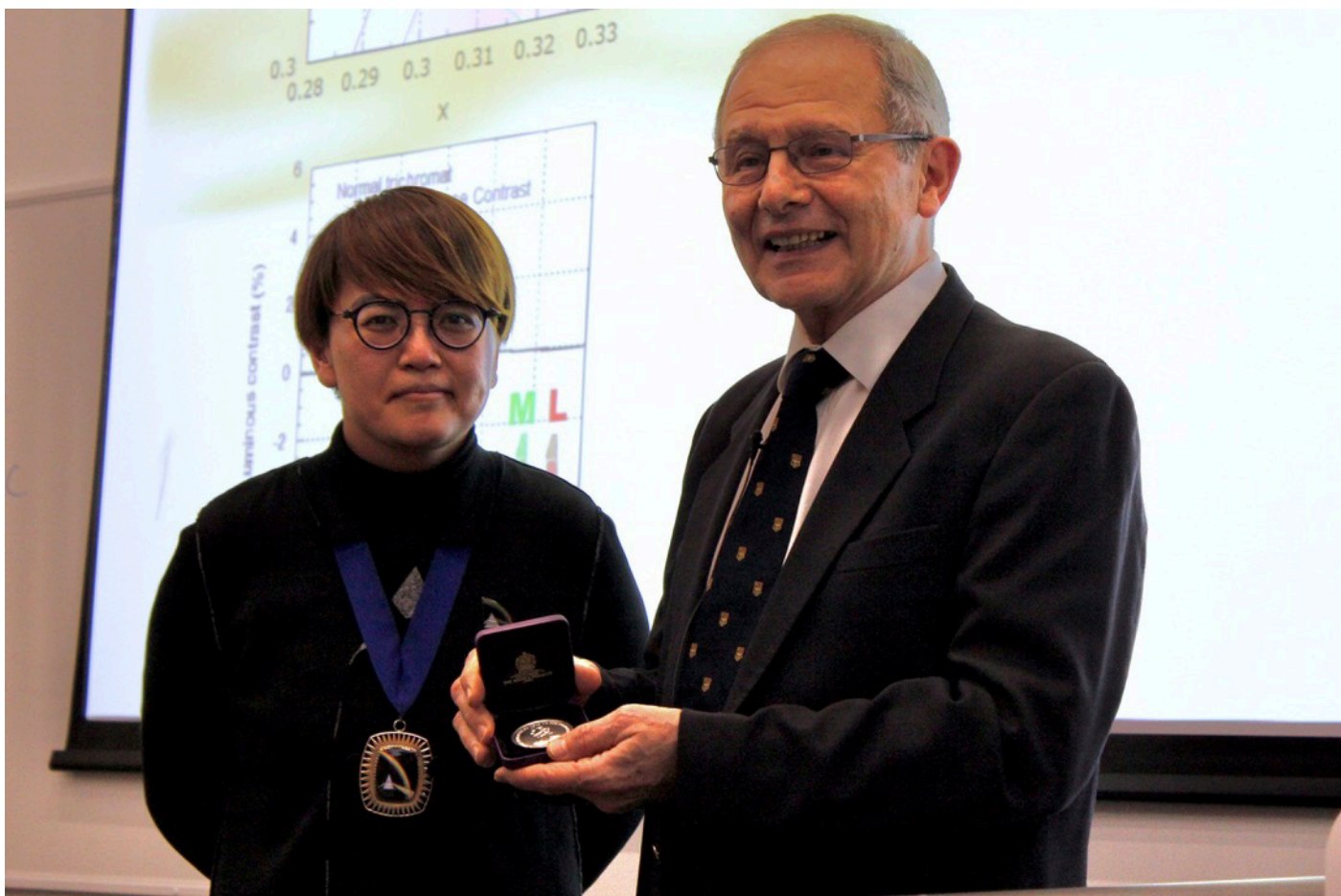


Prof. Wuerger delivering the Palmer Lecture 2022 – courtesy of Dr Robert Lee

The year began with the Colour Group (GB)'s customary Colour Vision Meeting. In 2024 the annual Palmer Lecture was delivered by **Prof. Daniel Osorio**, University of Sussex, UK. The meeting began with a special tribute to the previous year's Palmer Lecturer, **Prof. Sophie Wuerger**. The announcement of her sudden death came early in January. Various events to celebrate her life and achievements have already been planned within Britain's colour community and the Colour Group

(GB) took part as well as celebrating her as one of its active members. Prof. Wuerger was one of the regular organisers of the Group's Colour Vision Meetings.

Every two years the Colour Group (GB) awards its **Newton Medal** to a distinguished worker in the field of colour science, on the occasion of his or her delivery of The Newton Lecture. In February the Colour Group (GB) honoured the professional achievements of one of



Prof. John Barbur receiving the Newton Medal from the Colour Group (GB) Chair, Dr Vien Cheung – courtesy of the Colour Group (GB) Archives

its prominent long-term members, **Prof. John Barbur**, by awarding him the 2024 Newton Medal. He gave his Newton Medal lecture on *Variability, colour thresholds and chromatic mechanisms*.

On the afternoon of 21st March 2023 members and friends of the Colour Group (GB) gathered in the Victoria and Albert Museum, London, to celebrate International Colour Day 2024. **Dr Lucia Burgio**, the Lead Conservation Scientist at the Museum, a Fellow of the Royal Society of Chemistry and an Honorary Research Fellow at the Department of Chemistry, UCL as well as the Chair of the AMC Heritage Science Expert Working Group of the Royal Society of Chemistry, led a tour around the Museum, introducing the participants to the intriguing colour history of selected objects from the collection.

In April the customary seminar *Colour in Art* was co-hosted with the University of the West of England,

Bristol and was held in a hybrid format to give the opportunity for a greater number of members to participate. Artists, designers and makers from Great Britain and United States joined authors to discuss the subject.

Traditionally the Annual General Meeting of the Colour Group (GB) takes place on the first Wednesday of May and 2024 was no exception. After reviewing the work of the last Committee, the Assembly proceeded to vote the new Committee in. Later in the afternoon members and friends were treated to a talk by **Dr Sophie Boon**, senior lecturer in design crafts at the University of the West of England. Her subject was *Neo-Gemstones: the illuminating future of coloured crystals*.

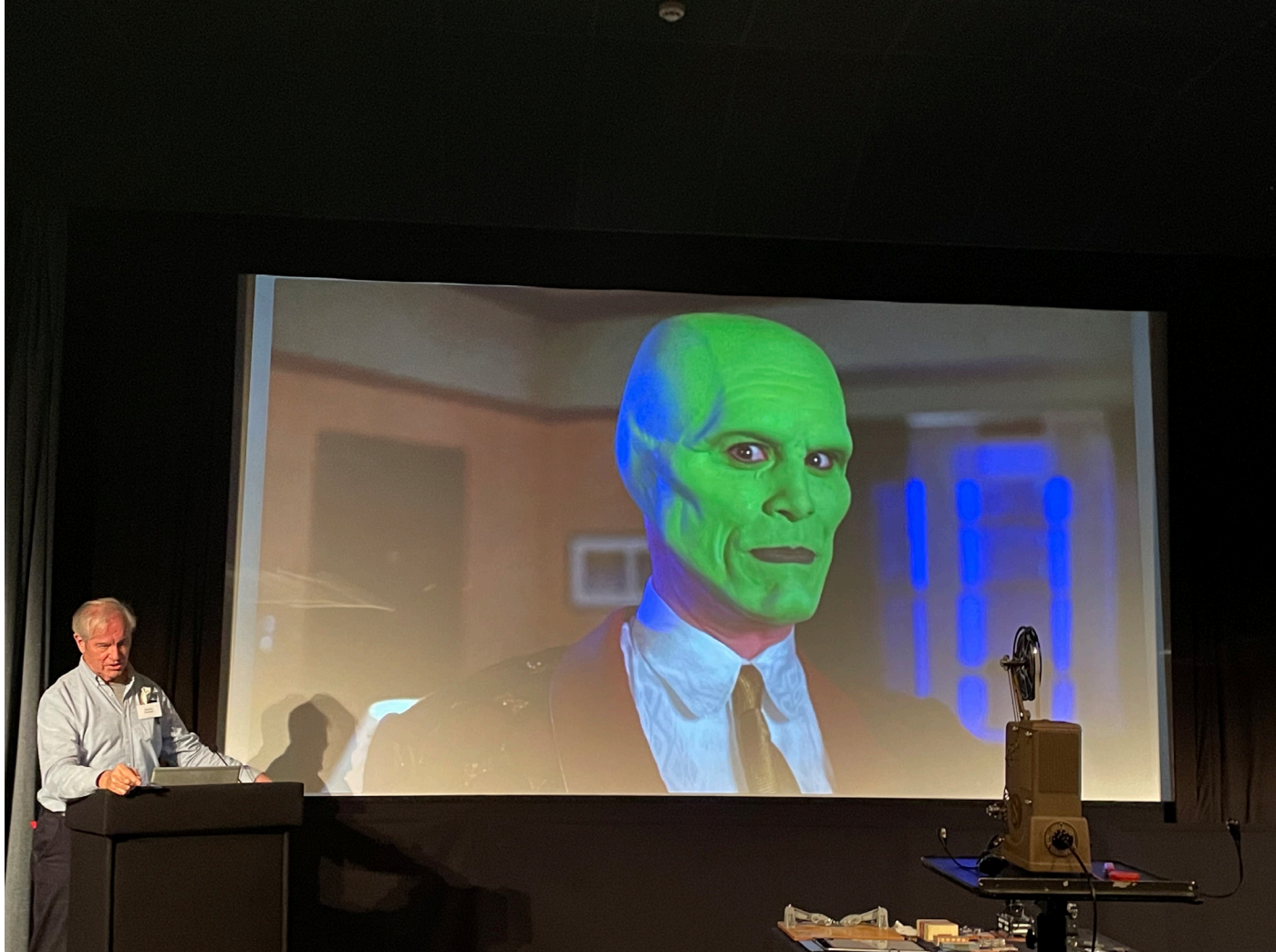
After a well-deserved summer break the members and the Committee gathered to celebrate new and emerging talent at the well-attended Awards Meeting at the beginning of October. Presentations were given

GREAT BRITAIN

THE COLOUR GROUP (GREAT BRITAIN)



Coromandel Screen, the Victoria and Albert Museum collection – courtesy of V&A©



Dr Charles Poynton delivering the Colour Group Keynote at the Colour in Film Conference - courtesy of Dr Elza Tantcheva-Burdge.

by the 2024 recipients of the WD Wright and Palmer Travel Awards and some of the Robert W G Hunt Poster Awards - all supported by the Colour Group (GB)'s awards for early career researchers.

From 10th to 13th November the *Eighth International Conference Colour in Film* took place at the Megascreen and Watershed in Bristol which marked ten years since the Colour in Film seminar at the City University, London, which gave birth to the conference. In 2024 it was co-organised by the Colour Group (GB) the Hochschule für Technik und Wirtschaft (University of Applied Sciences for Engineering and Economics) Berlin, the British Film Institute, the University of Bristol and in co-operation with Filmarchiv Austria, Cinematek, Belgium and South-West Silents, Bristol. The conference's theme was *Colour in TV, Video and Film* with a special session dedicated to **Mr Ken Freeman**, one of the pioneers of British colour television and a

life member of the Colour Group (GB), who passed away relatively recently. As is customary, the conference programme included scholarly presentations and curated screenings.

The following month, the Colour Group (GB) for the first time staged an event on Colour in Interiors which sparked the interest both of the members, and of the general public who attended in good numbers. Amongst the speakers were academics, a curator, and an author who is also a retailer.

The Group has already lined up an ambitious programme for the first part of 2025 and the event diary for the second half is already almost full. This creates an optimistic horizon and a promise that the Colour Group (GB) will be able to continue to propagate interest in the different aspects of colour and to nurture emerging talents in 2025.

ITALY

GRUPPO DEL COLORE –
ASSOCIAZIONE ITALIANA COLORE



GRUPPO DEL COLORE
ASSOCIAZIONE ITALIANA COLORE

EVENTO DI PRESENTAZIONE DEL PROGETTO

ESPLORAZIONI CROMATICHE

L'ARTE DEL DESIGN E DEL COLORE

15.10.2024
ORE 18.00

PORDENONE
LOGGIA DEL MUNICIPIO

IL TERRITORIO RACCONTATO
NEI PROGETTI D'ARREDO
DEGLI STUDENTI
ISIS CARNIELLO

PRESENTAZIONE E
PREMIAZIONI DEI LAVORI

EVENTO APERTO
A STUDENTI, GENITORI,
CORPO DOCENTE,
IMPRENDITORI
E APPASSIONATI DI DESIGN

Comune di Pordenone
CLUSTER FVG
LEGGIO ARREDO CASA
ISIS
INNOVATION
PLATFORM
Con il supporto di
Canton
CORALLO
Pordenone Fiere
In collaborazione con
STUDIO
FRANCESCA
VALAN

Poster presenting the results of the workshop organized by Francesca Valan in Pordenone (Italy) on color trends, sustainability, and CMF.

The GdC - Associazione Italiana Colore brings together Color enthusiasts, professionals, and academic figures, so 2024 has been full of professional teaching, research, and dissemination events. Below are just some of our members' significant experiences.

RESEARCH ACTIVITIES

The research group in Lighting of the *Department of Industrial Engineering of the University of Naples Federico II*, led by **Prof. Laura Bellia**, is currently engaged in two main research areas regarding colors: the influence of light and colors on cultural heritage and the impact of colors in interiors on human non-visual responses.

The former study examines how light color affects fungal growth on artworks. Five fungal strains from the Zoological Museum of Naples were exposed to monochromatic blue, green, yellow, and red light from LEDs. Results show that colored light influences growth and biochemical composition differently per species, highlighting the need for tailored museum lighting protocols.

The latter study explores how partition colors in open-plan offices can affect circadian rhythms. Simulating 144 setups, it finds yellow partitions can lower the melanopic equivalent daylight illuminance (mel-EDI) values, while blue, purple, and green have minor effects. High-reflectance partitions amplify lighting

impact, highlighting the need for color and lighting strategies to enhance worker well-being.

The research "*The multiscale documentation of color with GIS*" by **Prof. Maria Martone** (Formerly *Dipartimento di Ingegneria Civile, Edile e Ambientale, Università Sapienza di Roma*) explores advanced techniques in digital surveying, 3D modeling, and information systems to analyze the role of color in architectural and urban heritage. Color, tied to surfaces and influenced by environmental factors, serves as a key tool for documentation. Studies include Pontine landscapes, Naples' metro, and Leonardo's maps. Recent work integrates GIS and Urban Digital Twins for spatial color mapping.

WORKSHOPS

Francesca Valan designed and held two workshops for Cluster Legno, Arredo e Sistema Casa FVG, focusing on education and industry innovation. The initiative enhanced students' learning experiences and developed a replicable project model to strengthen institutional offerings.

The first workshop, *Color Design*, was for fourth-year students at Giovanni Sello High School in Udine. It taught them to create textures and color patterns reflecting Friuli Venezia Giulia's cultural identity. Inspired by regional landscapes, architecture, and gastronomy, the project emphasized sustainability and inclusivity

ITALY

GRUPPO DEL COLORE –
ASSOCIAZIONE ITALIANA COLORE



Images taken during the Workshop “The Transformative Power of Colour in Weaving” organized and held by Renata Pompas in Udine (Italy).

in furniture design. It was selected for the *New European Bauhaus Festival 2024*.

The second workshop, at Institute B. Carniello (Pordenone), introduced students to color trends, sustainability, and CMF. As part of a furniture restyling project, they analyzed the color identity of eight cities, including Pordenone, Udine, and Venice. The final phase involved restoring and repainting damaged furniture from SICAM fair refreshment points, which was showcased at *SICAM 2024*, highlighting the impact of color design on sustainable furniture innovation.

Renata Pompas held the three-day workshop “*The Transformative Power of Color in Weaving*,” requested by the C.I.R.T. aps association of Udine. The event was designed for professional weavers, addressing the lack of structured color knowledge in traditional textile weaving. The workshop introduced key concepts such as light/dark, warm/cool, saturated/desaturated, and chromatic/achromatic and explored how fiber material affects color perception. Participants selected six key colors from artistic images, balancing warm and cool tones, and applied them in a Color Chart divided into neutrals, pastels, brights, and darks. Using diverse wool yarn samples, they created unique, harmonious palettes that reflected their aesthetic preferences, enhancing their ability to make conscious color choices in textile design.



Prof. Maurizio Rossi, former president of the Associazione Italiana Colore and president of the International Color Association, receives the Italian Knowledge Leader 2024 award.

INITIATIVES

Prof. **Anna Marotta** of Politecnico di Torino carried the initiative *“Rediscovered and shared color, from history to the present day: Casa Marotta-Carboni.”* The research on historical color focused on a restored neoclassical apartment (Luigi Formento, 1852) in the Turin Jewish quarter. The Casa Museo Marotta-Carboni was founded to promote it as a “living lesson in architecture,” hosting cultural and academic events. Its rich decorative system, blending chromatic culture and architecture, preserves historical identity, making it a key site for color and heritage studies. The project led to the birth of the association *“Casa Museo Marotta-Carboni,”* which granted the use of space for cultural initiatives, such as the culture of project and color, to students and associations like the Associazione Italiana Colore and the International Colour Association.

Another initiative coordinated by Prof. Marotta is the association *“Associazione per la Cittadella,”* which is involved in activities to valorize the Cittadella di Alessandria, an example of eighteenth-century defensive architecture. The CoE’s *“Lighthouse of Peace*

in Europe” project has supported it since 2022. The association’s activities are connected to color-related topics. Studies on fortress landscapes through the artistic vision of painter-soldiers like Bagetti, Bossoli, and Cambiaso link their work to color theories by Goethe, Turner, and Pitloo. The activity “Color for Peace” features artworks, including those by war-affected children, highlighting color’s role in conveying peace implemented in the logo/symbol of the Faro Project. The topic of “green” is central in the Heritage Walks in the Cittadella, aimed to explore its rich botanical identity, including iconic plane trees studied with the Turin Academy of Agriculture. Research expands internationally finding common ground with Arad’s Citadel in Romania. Also, the spaces managed by the association “Associazione per la Cittadella” are accessible for cultural events to specific associations, including the Associazione Italiana Colore and the International Colour Association.

AWARDS

On November 26, 2024, at the Protomoteca hall in Campidoglio (Rome), in the event organized by the Ministry of Tourism, the Ministry of University and

ITALY

GRUPPO DEL COLORE – ASSOCIAZIONE ITALIANA COLORE

Research, ENIT and Convention Bureau Italia, Prof. **Maurizio Rossi** of the Politecnico di Milano, former president of the Associazione Italiana Colore, and current president of the AIC - International Colour Association, received the *Italian Knowledge Leader 2024 award*, for his research, editorial and association activities in the sectors of Color and Lighting.

In the context of the 2024 Color Conference, the Associazione Italiana del Colore awarded the annual Premio del Colore (Color Award) to the extraordinary painter **Valerio Adami** for the incredible use of color in his works; *“The tool for reading the drawing is color, just as the voice is the tool for reading the written word”*, because *“The voice is the color of writing; color is the voice of painting”*.

JOURNAL AND PUBLICATION OVERVIEW

The Gruppo del Colore – Associazione Italiana Colore proudly manages the **Color Culture and Science Journal (CCSJ)**, a leading academic publication dedicated to advancing interdisciplinary research in the field of color studies. As a key initiative of the Gruppo del Colore, CCSJ serves as a vital platform for scholars

and professionals to disseminate their findings on the scientific, technological, and cultural dimensions of color. Its inclusion in Scopus, one of the most prestigious abstract and citation databases, underscores the journal’s commitment to scientific excellence and highlights its increasing influence within the global academic community.

Over the years, CCSJ has demonstrated its dedication to advancing knowledge in this vibrant domain, publishing 24 articles in the last year among 41 submissions. These contributions address a wide array of topics, ranging from colorimetry and perception to applications in design, art, and conservation. The Journal’s top articles receive over one thousand visualizations each year.

In addition to the journal, the Gruppo del Colore also manages the publication series **Research in Color and Applied Sciences Books (RCASB)**. This series serves as an essential complement to CCSJ, focusing on in-depth studies and extended discussions on specific aspects of color science and its applications. RCASB aims to bridge the gap between academic research and practical applications, offering resources that benefit both the scientific community and industry practitioners. The



Picture taken on the occasion of the "Color Photography and Film: Sharing Knowledge of Analysis, Preservation, Conservation, Migration of Analogue and Digital Materials" held in Amsterdam and organized by the Associazione Italiana Colore.

series includes contributions from leading experts in the field, as well as the proceedings of the Gruppo del Colore yearly conferences.

CONFERENCES

The GdC - Associazione Italiana Colore organizes color-related events such as conferences and seminars; in 2024, two conferences were organized, the Color Conference 2024 (CdC2024) and the Color Photography and Film 2024 Conference.

The "Color Photography and Film: Sharing Knowledge of Analysis, Preservation, Conservation, Migration of Analogue and Digital Materials" conference was held in Amsterdam on the 12th and 13th of September 2024. With 90 participants, in person and online, attendance remained consistent with previous editions, which collectively hosted around 140 attendees. Keynote speakers **Elif Rongen-Kaynakçi** and **Monica Marchesi** offered insightful talks on early color cinema restoration and reprinting as a transformative preservation tool.

On the 11th of September, participants joined a special tour at the University of Amsterdam's Conservation Program, featuring presentations on conservation research and the SBMK project photography. The event attracted a diverse group, with 27% from archives, 23% from academia, and 21% from museums, reflecting its interdisciplinary nature.

The **Color Conference** was held online on 28 and 29 November 2024. Fifty-two papers were presented in two parallel sessions in Italian and English. The invited speakers were Professor **Phil Green** from the NTNU, the Norwegian University of Science and Technology, Professor **Vien Cheung** of the University of Leeds in the UK, and Professor **Robin Kingsburgh** of the Department of Science, Technology & Society of York University Toronto, Canada. The proceedings of the **Color Conference** have been published in the *Research Culture and Science Books* series edited by the association.



Participants in Annual Meeting 2024

THE 55TH ANNUAL MEETING 2024

The 55th Annual Meeting of the Color Science Association of Japan (CSAJ) was held hybrid of face-to-face and online on 29-30 June by Prof. **SUNAGA Shoji** (Kyushu University). More than 246 participants attended, and 75 contributed papers were presented. The special invited lecture was “Various things on anno lab” by **Mr. FUJIOKA Sadam** (anno lab) and a panel discussion on “Polylogue on color vision diversity” took place by four panelists. In addition, the commemorative

lecture on recognition by the Minister of Education, Culture, Sports, Science and Technology was given entitled “Appearance synthesis of fluorescent objects with mutual illumination effects” by **Dr. TOMINAGA Shoji** (Nagano university). Moreover, Color Science Tutorial for High School Students was conducted. The CSAJ Presentation Encouraging Awards were given to four students: **Mr. INOSHITA Daiki** (Kyushu university), **Dr. HE Yuanyuan** (Chiba University), **Mr. SUZUKI Yusho** (Kyushu university) and **Ms. FUJII Toshitaka** (Chiba University).



Research posters at the Annual Meeting 2024

THE STUDY GROUP MEETING 2024 AUTUMN

The Study Group Meeting 2024 Autumn was held online from 30 November to 1 December chaired by **Dr. NISHI Shogo** (Osaka Electro-Communication University). More than 85 people attended, and 10 contributed papers were presented. The Four invited lectures were “*International comparison of the effect of skin color on facial appearance*” by **Dr. HE Yuanyuan** (Utsunomiya University), “*Why is the Mona Lisa facing left? The influence of faciality on left-facing preference*” by **TANIYAMA Yujin** (AIST), “*A computational model explaining the negative response generation process for human agents - Toward understanding the uncanny valley phenomenon*” by **Dr. TAWATSUJI Yoshimasa** (The University of Tokyo) and “*Exploring Kokoro with pictograms - Possibility of emotion measurement with pictograms*” by **Dr. KUTSUZAWA Gaku** (AIST). The CSAJ Presentation Encouraging Award was given to **Ms. KISHIMOTO Nagisa** (Osaka Metropolitan University).

AWARDS

The 16th CSAJ Best Paper Award was given to **Dr. SHINODA Hiroyuki** and **Mr. NISHIO Kunihiro** (Ritsumeikan University) for “*Estimation of cone fundamental functions in metameric color matching with non-monochromatic light stimuli using differential evolution method*”, Color Science Research, Vol.1, No.1, 15-30, 2023. The 26th CSAJ Research Encouraging

Award was given to **Dr. WAKATA Tadayuki** (Waseda University) for “*A proposal of the integrative dimension of brightness and vividness in PCCS tones, “Brilliantness,” and its relation to the dimensions of color impression*”. The 4th CSAJ Distinguished Service Award was given to **Dr. SAKAMOTO Takashi**. In addition, the 2nd Supporting Member Distinguished Service Award was given to **Japan Color Research Institute, FUJIFILM Corporation, Japan Fashion Color Association, Murakami Color Research Laboratory and DIC Color Design, Inc.**

PUBLICATIONS

Bulletin of the Color Science Association of Japan (Vol.3, No.1 - 4) were published in electronic media. In addition, Color Science Research (Vol.1, No.1-2) including 7 papers was published electronically.

UPCOMING MEETING

The 56th Annual meeting of the CSAJ will be held hybrid on 7-8 June 2025 at Yamagata University.

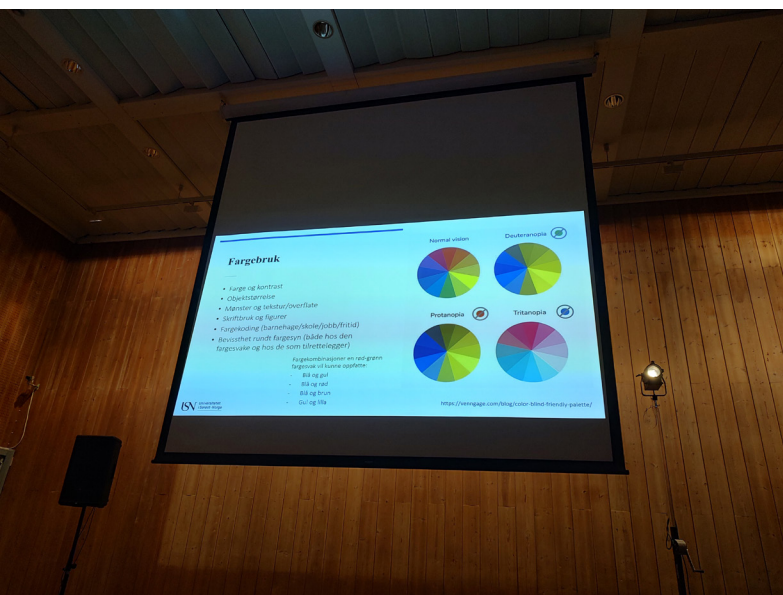
LOCAL CHAPTERS

Three local chapters in the Kanto, Tokai and Kansai areas worked actively and organized several meetings throughout the year. Currently, CSAJ has 1,031 members.

NORWAY

FORUM FARGE

FORUM FARGE®



Forum Farge event at "Gamle Munch". Photos: Bjørg Owren

Forum Farge, the Norwegian Colour Association, was founded on the 10th. of April 2013. Forum Farge aims to disseminate research-based knowledge about color. This is achieved through an interdisciplinary approach, focusing on areas such as color in design, architecture, technology, art, color vision, and science. The forum aims to ensure that this knowledge is applied both in practice and theory. Throughout the year, Forum Farge hosts two events/workshops that are open to everyone. Various speakers are invited to these events, contributing their research and expertise on color within different disciplines.

BOARD MEMBERS 2024

Ingvild Constance Festervoll Melien
Bjørg Owren
Heidi Pettersvold
Elise Dees Krekling
Matilde Wedzicha
Steven le Moan
Carle Lange
Johnny Spangen



Forum Farge's event at the Architects' House.
Photos: Heidi Pettersvold

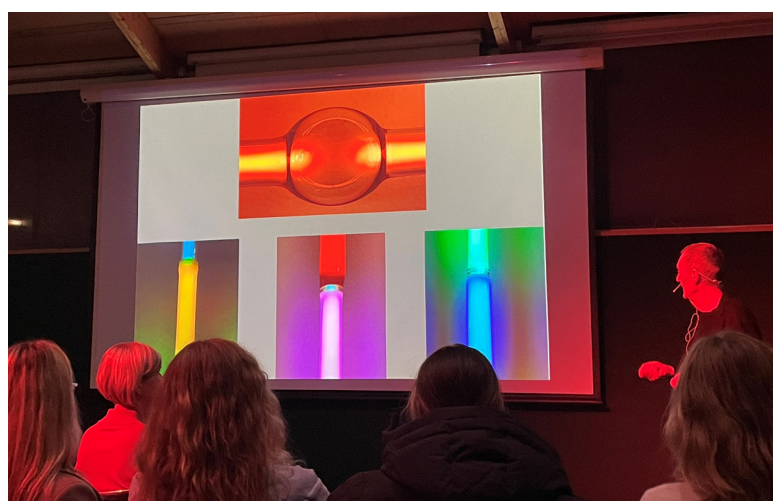
PARTNERSHIP

Forum Farge collaborates with NTNU, the Oslo National Academy of the Arts, the Faculty of Fine Art, Music and Design at the University of Bergen, the architecture firm Snøhetta, and the paint and building conservation store Miljømal. Forum Farge is also connected to Norwegian Colour and Visual Computing Laboratory (Colourlab) and Light and Colour Centre at the Norwegian University of Science and Technology (NTNU).

MAIN EVENTS BY FORUM FARGE

Forum Farge held two in-person events in 2024. The first event took place at "Gamle Munch", the old Edvard Munch Museum in Oslo, March 7. It featured three presentations by **Ingvild Festervoll Melien** (urbanist, photographer, journalist), **Elise Dees Krekling** (Associate Professor at University of South-Eastern Norway), and **Charlotte Holberg Sveinsen** (Color Manager and Creative Director at IFI: Informasjonskontoret for farge og interiør).

Melien spoke about creating a color guide for a district that has yet to be built, using the new Filipstad district in Oslo as a reference. Krekling gave a talk on color vision and whether we perceive our colorful world in the same way. Sveinsen discussed how colors and trends influence interiors.



The second event took place November 12th, and focused on light and color. The seminar was held at the *Architects' House (Arkitektenes hus)* in Oslo. **Steven Le Moan** (Associate Professor at the Norwegian University of Science and Technology (NTNU), talked about "How Many Dimensions Does Color Have?".

The main lecture was given by the Norwegian visual artist **Per Hess**, who works with neon lights and installations. Hess took the audience on an exciting journey through several of his different installations, both nationally and internationally. He also talked about how we perceive light and color and how he utilizes it in his art.

Link to both events can be found here:
<https://www.forumfarge.no>

PORTUGAL

ASSOCIAÇÃO PORTUGUESA DA COR



associação portuguesa da cor



Photo of the 1st National Color Meeting

2024 ACTIVITIES

The Portuguese Color Association has continued developing the work of color dissemination through the community. We thus present our main activities on color during the last year.

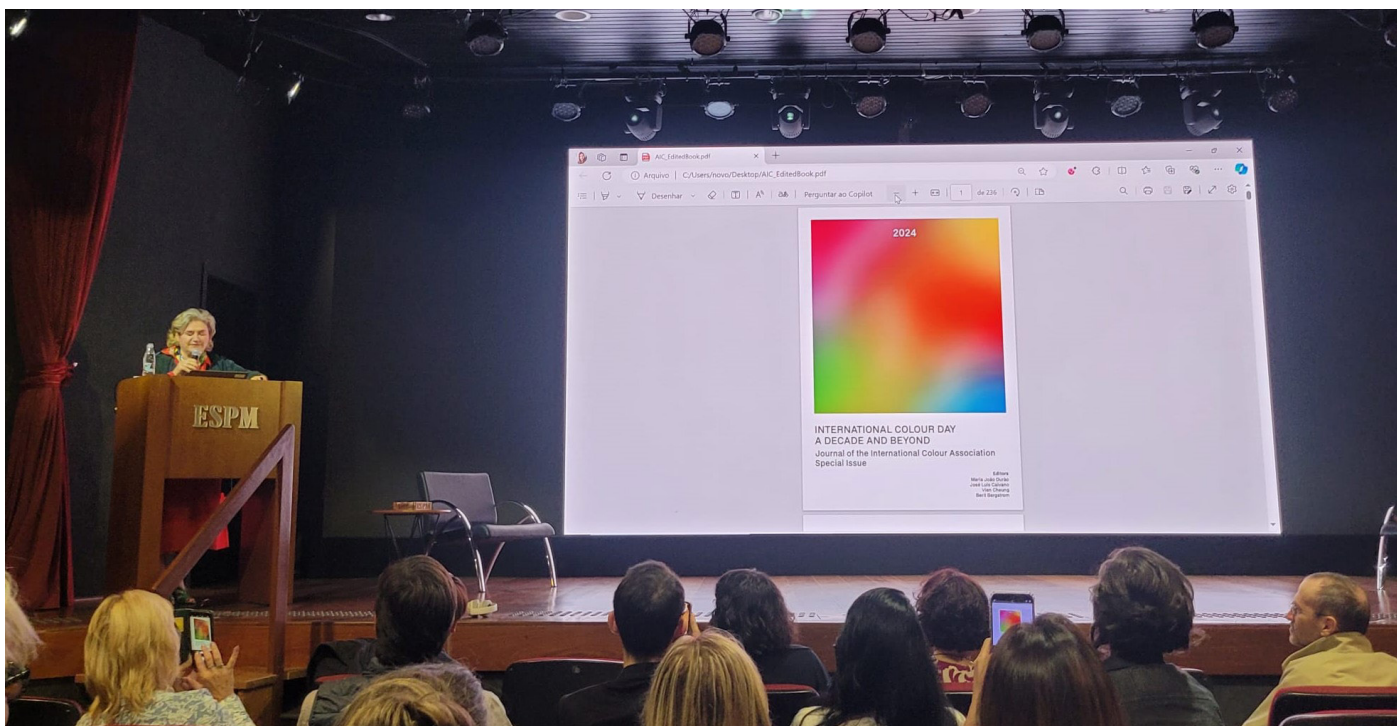
ICD24

The Portuguese Color Association (APCor) celebrated the International Color Day (March 21st), as a way of promoting color literacy within the community. The 1st edition of the **National Color Meeting** (March 23rd) was a fantastic opportunity to bring together

professionals in the most diverse areas (e.g., design, painting, architecture, photography, construction, personal image, psychology, education), disseminating knowledge to everyone. The one-day in-person meeting gathered around 140 people, and the public could participate in lectures and workshops related to color. The event also served as a professional development opportunity for teachers, with accreditation. Children were also able to participate through intervention on a collaborative panel, in a continuous activity throughout the day.

More information:

<https://www.apcor.org/dia-internacional-cor/#icd15>



Presentation of the ICD book at AIC2024 Midterm Meeting

OTHER EVENTS

September | AIC Midterm Meeting, S Paulo, Brazil

Some members of the Portuguese Color Association presented their academic research in the event. The book *'International Colour Day: A Decade and Beyond, Journal of the International Colour Association - Special Issue 2023'* was launched and presented by the ICD coordinator, **Prof. Maria João Durão**.

November | 1st Color Retreat, Mafra, Portugal

The 1st Color Retreat took place over two days and brought together 12 participants. It was a unique opportunity to reflect on the importance of color in our lives. Activities such as painting, meditation, and color hunt were developed with the enthusiasm of the participants. Topics discussed included color symbolism, color and expression, personal coloring, chromotherapy, and more.

APCOR PUBLICATIONS

The book *"Colour: Health, Wellbeing and Comfort"* (EN) / *"Cor: Saúde, Bem Estar e Conforto"* (PT) is in its

final preparation phase. This is an APCor edition in collaboration with CIAUD - GICL (Colour and Light Research Group) and LabCor (Colour Lab), based at FA-ULisboa (Faculdade de Arquitetura da Universidade de Lisboa). The book is a bilingual publication (Portuguese and English) on colour, with an international scientific committee of researchers, which aims to disseminate the research undertaken in the multidisciplinary area of colour.

CURRENT ACTIVITY BY EACH MEMBER

Ana Paula Pinheiro & Rui Barreiros Duarte

Pinheiro, A.P., Duarte, R.B., 2024. *Color, environment, and sustainability: Faculty of Law, University of Lisbon*. AIC2024 Midterm Meeting, 18 September 2024, São Paulo, Brazil. [Poster Session]

Pinheiro, A.P., Duarte, R.B., 2024. *Color, environment, and sustainability: Faculty of Law, University of Lisbon*. AIC2024 Midterm Meeting, 16 – 19 September 2024, São Paulo, Brazil. Book of Abstracts, p.105. ISBN: 978-0-6484724-6-9. <https://aic2024.org/wp-content/uploads/2024/09/Book-of-Abstracts-Sep-15.pdf>.

PORTUGAL

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Luisa M. Martinez

Martinez, L.M., Bento, A., Martinez, L.F., & Ramos, F.R. (2024). Visual elements in organic products communication: The impact of yoghurt packaging material and color on consumer perception. In *Proceedings of the Midterm Meeting of the International Colour Association 2024*, São Paulo, Brazil, September 16th-19th (p. 92).

Martinez, L.M., Bento, A., Martinez, L.F., & Ramos, F.R. (2024). *Visual elements in organic products communication: The impact of yogurt packaging material and color on consumer perception*. Paper presented at the International Color Association (AIC) Midterm Meeting, Escola Superior de Propaganda e Marketing (ESPM), São Paulo, Brazil, September 16th-19th.

Amaro, A.C., Martinez, L.M., Ramos, F.R., Menezes, K., & Menezes, S. (2024, May 02). *An overstimulated consumer in a highly visual world: The HSP trait*. Sensitivityresearch. <https://sensitivityresearch.com/an-overstimulated-consumer-in-a-highly-visual-world-the-hsp-trait/>

Martinez, L.M. (2024). *Diz-me que cores usas, dir-te-ei quem és: A psicologia da cor*. Workshop delivered at the 1st National Color Meeting, Lisboa, March 23rd.

Luisa Martinez also chaired the session 'Color in Design and Visual Communication' at the Midterm Meeting of

the International Colour Association 2024, São Paulo, Brazil, September 19th.

Vanda Matos

Matos, Vanda & Alho, Carlos (2024, April, 23-24). *Cork in architecture, fashion and design, tradition and innovation*, D_TEX Textiles, Identity and Innovation, 3rd International Textile Design Conference 2024, Lisboa, Faculdade de Arquitectura da Universidade de Lisboa Portugal.

Matos, Vanda & Alho, Carlos (2024, October, 2-4). *Habituação coletiva de promoção cooperativa em Caselas*, 5º Congresso Internacional da Habitação no Espaço Lusófono, Laboratório Nacional de Engenharia Civil (Lisboa, Portugal); <https://www.5cihel2024.org/pt/>

Matos, Vanda; Alho, Carlos. "Cork in architecture, fashion and design, tradition and innovation". In IN TOUCH 3rd International Textile Design Conference 2024 New Codes Book of Abstracts-, (pp- 49-49). Lisboa, Portugal: Universidade de Lisboa, Faculdade de Arquitetura, 2024

Matos, Vanda; Alho, Carlos. "Habituação coletiva de promoção cooperativa em Caselas" in 5º CIHEL - Congresso Internacional da Habitação no Espaço Lusófono | Livro de Atas, Lisboa, Coelho, A. B. & Pinho, F. F. S., (pp. 237-238), Ubana Creative Agency, Lisboa, 2024, ISBN 978-989-8152-27-5



Photos of the 1st Color Retreat

Social housing and UrbanCroma a factor for integration, identity and sustainability-CIAUD-GI.CORLUZ | 2022 to 2026 (Ongoing project)

Palácios e palacetes em Lisboa dos séculos XIX e XX (Palaces and Mansions in Lisbon in the 19th and 20th, developed at CIAUD) | 2020-2025 (Ongoing project – to be extended until 2029)

Color Sustainability and Authenticity in Portuguese Contemporary Architecture (2018-2026) (Ongoing project)

Luisa Martinez

APCor President | apcor@apcor.org



SPAIN

COMITÉ DEL COLOR
SOCIEDAD ESPAÑOLA DE ÓPTICA



Comité del Color
Sociedad Española de Óptica

Ana Belén López Baldomero

4. IMAGEN ESPECTRAL

Día internacional del color

- Unmixing e identificación de pigmentos

UNIVERSIDAD DE GRANADA

[26] Valero et al., Journal of Cultural heritage (2023).

“Boceto de Paolo Veronese”

35 / 59

Talk “Color and Spectral Imaging for the Study of Cultural Heritage” by Ana Belén Lopez-Baldomero, University of Granada (Spain).

GENERAL HIGHLIGHTS

Our committee maintained its customary activities participating in different events around color (conferences, workshops, courses, seminars and outreach activities). The committee regularly collaborates in master’s courses about color such as the “*Master Erasmus+ COlour in Science and Industry (COSI)*”, organized by the University of Granada, and the “*Master Erasmus Mundus EUROPHOTONICS and Master in Photonics (course: Active and spectral imaging)*”, organized by the Universitat Politècnica de Catalunya.

The committee also supported several international conferences such as the 32nd Color Imaging Conference 2024 (CIC32) and the Midterm Meeting of the International



Conference venue and logo.

Color Association (AIC 2024). Additionally, other conferences, workshops and seminars were organized along 2024 about different aspects of color.

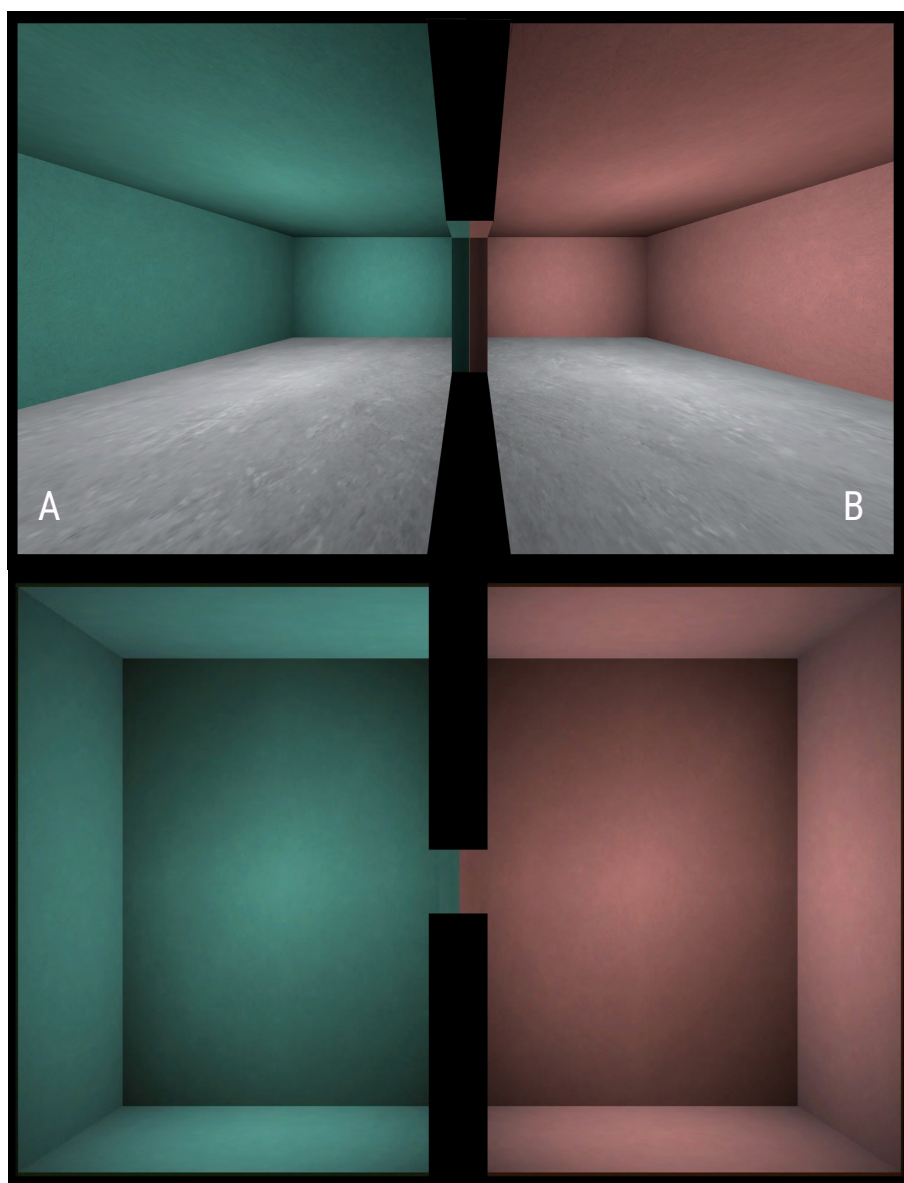
It is also remarkable the participation of the Committee in the International Color Day 2024. In this framework, the committee organized an online talk entitled “Color and Spectral Imaging for the Study of Cultural Heritage” given by **Ana Belén Lopez-Baldomero** from the University of Granada (Spain), which can be found in the **Youtube channel of the committee**. During this talk, the most relevant non-invasive techniques were presented, such as spectrometers and colorimeters, for three specific applications: (i) optimal illumination for the preservation and exhibition of artwork, (ii) restoration follow-up of paintings, and (iii) evaluation of preservation and restoration methods in plasterwork.

RESEARCH HIGHLIGHTS

We would like to point out some events and projects with the highest impact in Color Science and Technology. In June, the **XIV National Color Conference** will be held in Mérida (Spain) and organized by the **Orion Research Group** of the **University Center of Merida**, with **Pedro J. Pardo-Fernandez** acting as chair. This conference stands as the most significant scientific and technical event on Color in Spain, bringing together prominent experts from various disciplines to exchange knowledge and advances in Color Science and Technology. It serves as a multidisciplinary forum and offers a unique platform for discussion and analysis on the influence of Color across multiple sectors, including research, education, and industrial applications. The topics covered will range from Visual Psychophysics, Color and Imaging Science

SPAIN

COMITÉ DEL COLOR
SOCIEDAD ESPAÑOLA DE ÓPTICA



Frontal perspective (top) and zenithal perspective (bottom) of a scene in Virtual Reality. Room A has a fixed dimension while B appears with a random scale. Source: Serra, J., Abebe, M.A., Murdoch, M.J. (2024). Virtual Reality to Evaluate the Size of Interiors with Different Colors. In: Hermida González, L., Xavier, J.P., Amado Lorenzo, A., Fernández-Álvarez, Á.J. (eds) *Graphic Horizons. EGA 2024. Springer Series in Design and Innovation*, vol 43. Springer, Cham. https://doi.org/10.1007/978-3-031-57575-4_35.

and Technology –including multi- and hyperspectral imaging– to practical applications in art, architecture, design, digital devices, education, and food industry.

On the other hand, our colleague **Dr. Juan Serra** from the Color Research Group in Architecture at the Instituto de Restauración del Patrimonio, Universitat Politècnica de València, participated in the 20th International Congress of Architectural Graphic Expression (EGA 2024), held in Porto from May 27-29, 2024. He presented a paper titled “*Virtual Reality to Evaluate the Size of Interiors with Different Colors*” developed together with **Michael J. Murdoch** and **Mekides Assefa** from MCSL (RIT).

In his work, Dr. Serra explored the longstanding interest among artists and architects, particularly from the Modern Movement, in how color influences the perception of depth and spatial volume. Figures like Albers and Le Corbusier intuitively understood color’s role in this context, despite not having a scientific basis for their observations. While much research has been dedicated to color’s ability to create

a sense of depth in two-dimensional spaces—such as through chromostereopsis—less attention has been paid to how color affects the perception of size and distance in three-dimensional interior spaces. This gap in research is especially notable when comparing real-world scenarios to virtual environments.

Dr. Serra’s contribution aimed to address this gap by applying virtual reality (VR) to objectively measure how the color of a room influences its perceived size. The study employed two VR-based methods to control the colorimetric properties of the virtual space and analyze the psychophysical responses of participants. The results revealed that VR is an effective tool for tasks requiring perceptual matching and motor actions in evaluating the size of virtual interiors. The study found that color differences had a limited impact on the perceived size of the room, being the value of the colors more significant than their hues, what suggests that other visual cues, potentially related to the geometry of the space, may play a more significant role in size perception. Future studies should further investigate these factors to better understand their influence on spatial perception.

SWEDEN

SWEDISH COLOUR CENTRE FOUNDATION

STIFTELSEN SVENSKT FÄRG CENTRUM

SWEDISH COLOUR CENTRE FOUNDATION



The three winners of Awarded colour 10 years Honorary Award: John Wattström, Emilie Palle Holm and Linnéa Andersson, for their continued work in the wonderful world of color!

60TH ANNIVERSARY

The main activity of 2024 was to celebrate 60 years in honor of The Swedish Colour Center Foundation and the yearly competition PRISAD FÄRG/AWARDED COLOUR that was presented for the first time 10 years ago. These two anniversaries were celebrated in Stockholm. In conjunction with the celebration, we also awarded the winners in Awarded colour 2024 and paid tribute to some previous award winners whose work on colour have given an impression outside Sweden. **Emilie Palle Holm**, **Linnéa Andersson** and **John Wattström** who we rewarded with an honorary award.

To give extra star gloss to the anniversary, we hired previously acclaimed colour winner, **William**

Wahlström, who arranged a performance where all participants created imprints on the floor by taking on socks, dip them easily in colour and then go and make an imprint decorating the canvas on the floor. A limited number of socks (50) were then vacuum packed as a signed artwork to take home. Part of the floor has been framed into paintings.

The celebration took place with grateful help and support from OP - Office of Possibilities, NCS Colour AB, Akzo Nobel Decorative Coatings AB, Tikkurila Sverige AB.

PRISAD FÄRG / AWARDED COLOUR 2024

“Prisad Färg” is a competition aimed at students and recent graduates in design, architecture, visual



Color performance "Footprint", with artist William Wahlström.

3-4 colours that interact in different ways. The black colour makes other colours and patterns vigorously appear. The symbols that stand for graphic zodiac signs make creation exciting and mythical.

2nd prize

Celebrate 50 shades of red cabbage Anna Herrmann - Beckmans and Art Academy Munich. The second price of the year Priced colour 2024 celebrates the colour's possibilities with a new dimension showing how plant staining with red cabbage highlights colour and material in an extra careful and mild way.

The jury's motivation: With beautiful proportions and with a soft and transparent technique, the wood patterns on the objects appear. The naked wooden vein gets a mild colour shade. With a simple one and elaborate graphics, the objects are taken care of in a careful manner. This creates a collection, which gives a soft and satisfying feeling. The technology of plant staining is experienced in this context and makes this contribution unique.

3rd prize

Intro the Blues Freja Ullert - Master in Spatial Design, Konstfack. This year's third prize celebrates the colour with a colourful and monochrome interior.

The jury's motivation: In a courageous and powerful way, a full -scale interior design is presented with a clear and secure colour scheme. Each room has received its colour expression in a very refined way. The project is in every way professionally completed. It is scenographic and mood -creating. The colour scheme is well presented and documented with clear drawings and material samples. The colour leaves no one untouched, as a viewer you are sucked into the rooms and the ultramarine colour is continuous and identity creation. This makes this assignment extra exciting.

communication, and art. The purpose of the competition is to award and highlight the importance of colour by focusing on the following topics.

- **Raising awareness:** Creating a deeper understanding of the significance of colour.
- **Encouraging creativity:** Exploring innovative ways we can use colour in design and art.
- **Showcasing excellence:** Presenting outstanding examples of how colour can be applied effectively.

The theme for acclaimed colour 2024 was "Celebrate Colours" and collected 16 competition entries that held a good quality. This year's winner was:

1st prize

This year's winner shows the strength of the colour through technology and form in an irresistible and safe way. *Heaven is our mirror Mia Lehtonen Madsen - Textile Academy Borås.*

The jury's motivation: With rhythm, colour and a joy, Celebrate Colour dances in this competition entry. In a new but known way, rustic graphic symbols and patterns are created. The costumes become a kind of folkloristic holiday costume where the colour is selected. The colour scheme is exciting combined with

SWEDEN

SWEDISH COLOUR CENTRE FOUNDATION



Mia Lehtonen Madsen, 1st Prize Prized Color 2024 and Freja Ullert, 3rd Prize.

The jury for praised colour 2024:

Catrin Vagnemark, chairman, founder of BVD, Axel Norlander, industrial designer, OP, Gunnel Sahlin, glass designer, Åsa Stenerhag, artist/fashion designer, Kennet Vrågård, Business Development Manager, NCS Colour AB, Clara von Zweigberg, Design, Grafisk designer, Freelance journalist, Charlotte Ryberg, Designer, Atelier Ryberg.

TEACHERS NETWORK - UNG FÄRGKRAFT/ YOUNG COLOUR POWER

“Young Colour Power” is a long-term project aimed at promoting knowledge about colour and its significance in higher education teaching. This teachers’ network meets twice a year—once in person and once digitally. On Teachers’ Day, participants can explore colour as a specialized area of knowledge. Organized by the Swedish Colour Centre Foundation, these annual meetings, including seminars and workshops, are free and non-profit. The initiative aims to create a collaborative platform to elevate the academic level and drive progress in a field that bridges design, architecture, and creative industries.

Digital meeting 18/4 2024

At this year’s digital teacher meeting we took part in NCS Trend concept with Karl Johan Bertilsson, Creative Director at NCS. The topic was methods in the colour process and NCS colour trend.

We also discussed the development of colour palettes and the role of trend reports in shaping these processes. We deepened the discussion about the colouring process and asked how it really works and what the students’ expected outcomes are.

Physical Meeting 25/10 2024

This meeting was held at Malmstens School, Campus Lidingö, part of Linköping University, which offers undergraduate programs in Furniture Design, Cabinet-making, and Furniture Upholstery.



Marquetry workshop at Malmstens school, Campus Lidingö

This year's focus was on colour as a material, and the day, as always, provided opportunities for activities and knowledge exchange.

During a tour of the premises, we gained insights into the history and ongoing activities at Malmstens School. Participants engaged in an inspiring workshop and practical exercise with marquetry, wood inlays, exploring new methods in working with colour. The exercise aimed to examine colour as a material and open up new possibilities in colour education.

We reflected on how the natural colour of materials connects to sustainability and the importance of surface treatments. Key questions included: Do we use colour to protect, emphasize, camouflage, or simply to bring aesthetic pleasure?

MEMBER'S MEETINGS

The foundation has organized the following Colour meetings in addition to the annual meeting and the 60th anniversary.

January 18, Millesgården Stockholm, coffee Fassetts "*The Power of Pattern*".

March 21, ICD – A digital presentation by Sophie Smallhorn, an artist and designer from London, was held. The day concluded with a celebratory dinner with guest of honor Tomas Hård, former CEO of NCS. Tomas is the son of the late Anders Hård, a renowned color researcher and one of the founders of the NCS system.

April 25, 60th anniversary at OP, Stockholm, with mingle, award ceremony, honorary award and performance.

May 14, Millesgården, Stockholm, Jacqueline Marval "*Fauvism, Feminism, Flamboyance*".

September 11, Color and Culture -Lecture with Ivar Jung, associate professor at Linnaeus University, teacher and researcher on color.

October 24, Christoph Brach - RAW COLOR Eindhoven

November 28, Guided tour - Wiener Werkstätte at Millesgården

December 5, Annual members meeting. Our history - 60 years of color. Tomas Hård, former CEO of NCS Color AB (Scandinavian Color Institute AB)

2024 HIGHLIGHTS: SUCCESSFUL INNOVATIONS

- Introducing the innovative “*pro colore GA*” (general pass) was a great success. It consists of a one-time fee, in addition to the membership fee, that allows members to attend all meetings and museum visits at no extra charge.
- Rolling event planning has been adopted, which is a good way of flexibly organising the annual programme. It significantly increased the number of the pro colore events compared to previous years.
- Besides the pro colore events, museum days were also organized in 2024 to give members the opportunity to take part in guided tours of permanent or temporary exhibitions.
- Strengthening partnerships is essential in order to foster collaborative relationships with corporate members. For example, the collaboration with Lascaux Colours & Restauro was intensified, and a new cooperation with Pentel will be launched in 2025.
- It is especially important that members benefit from the collaborations and partnerships. Alongside the tried-and-tested Faber-Castell offers, since 2024 members have also been able to benefit from exclusive products from the renowned brands Lascaux Colours & Restauro and Leuchtturm1917. Starting in 2025, pro colore will be expanding its portfolio to include exquisite pen products from Pentel.

2024 GENERAL ASSEMBLY

The Annual General Assembly of pro colore took place in March at the corporate headquarters of Thymos AG in Lenzburg. In addition to approving the budget, colour designer and interior designer, Irene Musci, was elected to the Board of Directors. Verena M. Schindler rounded off the agenda with a detailed report on the international colour events.

PRO COLORE EVENTS

Factory Tour of Thymos AG, Lenzburg

On 15 March, following the General Assembly, pro colore celebrated International Colour Day with a guided tour of the headquarters of Thymos AG, a trading company for natural paints that has been combining proven raw materials with state-of-the-art production technology since 1987. Pro colore participants discovered the firm's product ranges and learned how to use them to create trend-conscious colour schemes. <https://www.thymos.ch>

Colour, Material and Visual Impairment, Zurich

On 20 April, the interactive workshop was very informative and explored the following questions: What does visual impairment mean? What can we still see when our vision is impaired? How do we orient ourselves in rooms under these conditions? What do we perceive, and how can colour and its materiality



Colour and material presentation of the project for the Blindenheim Care and Health Centre in Basel by Esch Sintzel Architekten

support our perception and orientation in a room? How does colour smell or sound? How do we develop solutions that are valuable for all users? All these questions were addressed by Esther Garo from Sensability. Furthermore, Esch Sintzel Architects presented their planned building for the Blindenheim Care and Health Centre in Basel. The workshop was jointly organized with the Swiss Association of Colour Designers in Architecture (BSFA). <https://www.bsfa.ch> | <https://www.sensability.ch> | <https://www.eschsintzel.ch>

Factory Tour: Cook and Dine at Forster Kitchens, Arbon

On 31 May, pro colore members learned how Forster kitchens are produced during a factory tour, which was followed by a guided tour of the kitchen exhibition. The focus was on colour combinations, smooth surfaces, and the simplicity of material and design. As a grand finale, the participants enjoyed a delicious meal cooked under the professional guidance of V-Zug. <https://www.forster-home.ch>

Signage - Applied Visual Design, Toni Areal, Zurich

On 14 September, Natalie Bringolf from the visual design agency Bigrafik GmbH shared an insight into the studio's extensive and fascinating work. She then guided a tour of the building on the Toni-Areal, which has been home to the two universities ZHdK and ZHAW since 2014. Together with Hi - Visuelle Gestaltung, Bigrafik developed the signage for the entire building. <https://bivgrafik.ch>

Factory tour of Real Stein AG, Gibswil

On 11 October, the last pro colore event of 2024 took place in Gibswil in the Zurich Oberland. On 2,500 square metres, the participants experienced the showrooms of Real Stein AG. Behind stone-clad walls were secret doors that led into a labyrinth of rooms made of natural stone, ranging from the kitchen to the bathroom and spa. The stone library contained natural stone like an encyclopaedic work. Walking through these rows

SWITZERLAND

PRO COLORE
SCHWEIZERISCHE VEREINIGUNG
FÜR DIE FARBE



Organizer and pro colore Board Member
Marius Guirard guided the participants through
Copenhagen's Nordhavn harbour area.

was a sensory experience and the variety of natural
colours was impressive. <https://real-stein.ch>

PRO COLORE MUSEUM DAYS

On 13 April, a visit to the Art Museum in Zurich.

On 11 May, members visited with a guide four exhibition
sections of the Museum of Design Zurich: Collection
Highlights, Collection Insights, Queen's Discipline,
and Swiss Design Lounge.



Talk by Ralf Weber on the Colour Theory Collection at the Technical University of Dresden.

On 20 July, board member Marius Guirard guided the participants through the permanent exhibition of the Sensorium Stiftung Rüttihubelbad in Walkringen. It includes seventy experience stations where visitors can play with all their senses.

On 24 August, participants visited the Museum Haus Konstruktiv, which is the leading Swiss institution for constructive-concrete and conceptual art. On permanent display is a showpiece from the museum's own collection: the legendary *'Rockefeller Dining Room'* by Swiss artist Fritz Glarner.

On 2 November, a guided tour of the Swiss National Museum in Zurich was a journey into the minds of Gustav Gull and Christ & Gantenbein, the architects of the museum building of 1898 and the extension completed in 2016. The museum's collection provides insights into Swiss identity and the country's rich history and culture.

On 23 November, the tour of the Blind Museum in Zollikofen offered sensory experiences and real-life scenarios. The museum aims to sensitise people to the challenges that persons with blindness and visual impairments encounter in our society.

TRIP TO THE COLOURS OF DRESDEN

From 5 to 8 September, pro colore's annual programme included a trip to the east of Germany. The visit to the Colour Theory Collection at the Technical University of Dresden with Professor Ralf Weber was sensational. This was followed by a guided tour of the Historical Dyestuff Collection with Professor Horst Hartmann. On the second day, the pro colore members visited the New Green Vault in the Royal Palace and enjoyed an exclusive guided tour with Director Dr Marius Winzeler. In the afternoon, a walk through Dresden led to the Kunsthofpassage and many other architectural beauties. On the last day of the colour journey, the group visited the Porcelain Collection of the Dresden Zwinger.

pro colore can look back on a successful year full of events, inspiration and new milestones. In total, pro colore organized five exciting meetings, six inspiring museum days and an unforgettable trip to Dresden that left lasting impressions. Reports on these events and international events appeared in the four newsletters that were sent out to members. <https://procolore.ch>

TAIWAN

COLOR ASSOCIATION OF TAIWAN



CAT's 2024 Color Symposium.

COLOR SYMPOSIUM

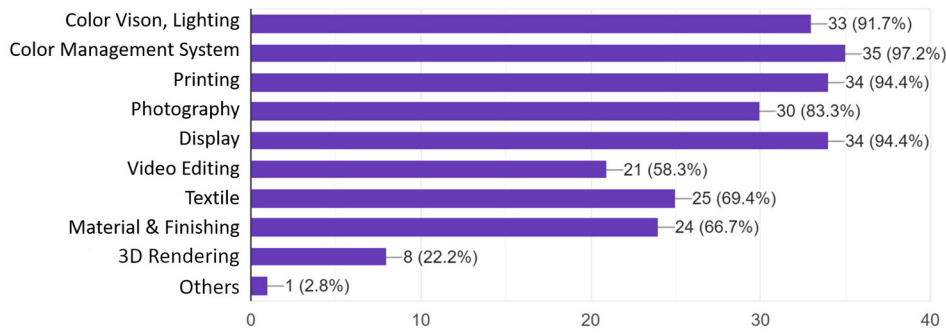
The Color Association of Taiwan (CAT) has continuously held Color Symposium annually since 2000. The 2024 symposium, themed “Color and Lighting Technology”, was held on November 23 at National Taiwan University of Science and Technology. It attracted 90 participants, featuring 7 invited talks and 7 contributed papers. The titles of the invited talks are “When Display Technology Meets Arts – Application of High Fidelity ART Display” by Mr. Jay Chang, “Color Management for Professional Video Production” by Mr. Yo-Zhi Ou, “More Than Just Color – Innovation of Color Education in Art and Design” by Dr. Tsuei-Ju Hsieh, “Application of Color Science in SEMI Display International Industry Standards” by Dr. Chao-Hua Wen, “Non-visual Effects of Lighting” by Dr. Pei-Rong Wu, “The Importance of Definition of CIE Vocabulary in Color Research” by Prof. James Shyu and “Issues and Improvements in

Practical Research on Intellectual Property Strategies Regarding Color in Universities” by Dr. Akiyo Makino. At the end of the symposium, Professor Tien-Rien Lee moderated a panel discussion on the theme of “Color and Lighting”.

IPAS CERTIFICATION

The government-funded iPAS Certified Color Planning and Management Specialist Exam co-organized by CAT has been running for 7 years. Over the years, more than ten thousand examinees have taken the exam, and fewer than 40% have successfully obtained the certification, making it a professional credential recognized by the color related industries. Currently, the exam provides two certificates: Color Planning and Color Engineering, respectively. A questionnaire survey on the “Feasibility of iPAS Color Management Certification” was conducted in July 2024, targeting 50 leading experts in Taiwan.

17. Which areas of color application do you think should be included in the evaluation content of the "Color Management" exam?



The result of 1 of 33 questions in the survey of iPAS Color Management Certification.



AIC banner handover. Right: AIC 2025 promotion at AIC 2024 meeting.

The survey results show that most experts support the “Color Management” iPAS certification and are willing to assist in the creation and promotion of teaching materials. In order to avoid covering too many areas in the exam, experts unanimously recommend that color management in photography, display and printing be the main focus. The evaluation content should balance both theoretical and practical aspects. Experts think that this certification will attract some individuals from the design field. The main current issues are the lack of teaching materials and limited qualified teachers. Additionally, experts pointed out that declining birth rates are causing difficulties in recruiting students for technical universities and labor shortages in traditional industries, which may affect the popularity of the certification.

AIC 2025 TAIPEI PROMOTION

The Color Association of Taiwan (CAT) is honored to host the AIC 2025 Congress from October 19-24, 2025, in Taipei. To promote this important AIC annual event, CAT members, Dr. Yuh-Chang Wei and Dr. Pei-Li Sun, brought postcards, T-shirts, and a large poster to the AIC 2024 Midterm Meeting in São Paulo, Brazil. At the end of the meeting, AIC 2024 organizers, Prof. Paula Csillag and Dr. Vien Chung, handed over the AIC banner to AIC 2025 organizers and brought it back to Taipei to continue the glory tradition of AIC. The CAT members also participated in the ACA 2024 Asian Color Association Conference to promote the upcoming AIC 2025 Congress.

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Anat Lechner and Leslie Harrington,
recipients of the ISCC 2024 Macbeth Award

Our annual goals for 2024 were focused on interdisciplinary educational programming. As a result, 2024 was a very busy year for the Inter-Society Color Council (ISCC). In addition to publishing our quarterly newsletters online for members, three successful cutting-edge webinars were held free of charge and open to anyone interested in the topics. To learn more about our webinars, please go to <https://iscc.org/cutting-edge-color-webinar-series>. We hosted two



Rachel Scheen, recipient of the ISCC 2024 Nickerson Service Award

Fluorescent Fridays, which are virtual events where university students present their work and network with color professionals and fellow students. Monthly Colorful Connection members-only events were held where members met online in an informal setting to discuss color topics across disciplines.

This report will cover three topics. First, a summary of the virtual 2024 Annual Meeting will be given. Second, an in-memoriam section will pay tribute to two treasured ISCC long-term members who left us in 2024. Finally, an introduction to our 2025 Color Impact Conference will be shared.

SUMMARY OF 2024 ISCC ANNUAL MEETING

The 2024 ISCC Annual Meeting was held on October 19, 2024. It was a successful virtual meeting open to members and the public. In addition to reports given by our administrative officers, this meeting featured Award Presentations, details on the Colour Literacy Project, and an update on activities of the Colour Literacy Forum. It concluded with a Colorful Connections event.

Award Presentations

Macbeth Award

The ISCC 2024 Macbeth Award was presented to Dr. **Leslie Harrington**, AIC Past President and Professor **Anat Lechner** for their pioneering work on HueData, a color intelligence company. The Macbeth Award is given for one or more recent outstanding contributions in the field of color. As co-founders of HueData, Dr. Harrington and Professor Lechner have revolutionized the way color decisions are being made using advanced analytics and artificial intelligence. Their revolutionary company is the first color intelligence platform that offers color data analytics and insights to inspire creativity, inform strategic decisions, and validate design choices of products, brands and environments, globally.

Nickerson Service Award

The ISCC 2024 Nickerson Service Award was presented to **Rachel Schwen** for her years of dedicated service to ISCC as an organization that furthers research and

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education across disciplines in color. Her contributions ranged from serving on the Board of Directors, Long Range Planning Committee, Membership Committee as Chair, Board Member Nomination Committee, 2023 and 2025 Color Impact Conference Committees, and Macbeth and Godlove Award Committees. Ms. Schwen currently is ISCC President-Elect.

Colour Literacy Project

The ongoing Colour Literacy Project (CLP) is a joint project between ISCC and AIC. This work is conducted within the ISCC/AIC Joint Colour Literacy Project (CLP) Committee. **Maggie Maggio**, Chair of the CLP Committee, gave an update. First Maggie shared the CLP Mission Statement:

The Colour Literacy Project is a 21st century educational initiative that recognizes colour as a meta-discipline. Our mission is to strengthen the bridges between the sciences, arts, design and humanities to meet the challenges and opportunities of the 21st century. We are developing color education materials to provide foundational, state-of-the-art resources for teachers at all education levels focused on expanding and exploring our experience of color.

Next, the **CLP Tenets** were shared:

The Color Literacy Project's approach to color is based on the best available peer-reviewed research on

color. The following tenets describe our understanding of the fundamental facts about color. They are what we support and believe to be useful as of now, but we remain open to new findings.

1. Color is a highly complex and multi-faceted topic. Research is ongoing and knowledge is expanding, but it is not likely that knowledge about color will ever be complete.
2. What colors are, whether they are properties of substances or light, manifestations of radiant energy, pure subjective experiences, or results of interactions between the perceiving subject and any of the above is a matter of ongoing scientific and philosophical debate. In any account it must be recognized that colors are, ultimately, a visual phenomenon.
3. The perception of colors involves adaptation to the environment and its visual stimuli.
4. Colors are perceived in all natural conditions of viewing in either a spatial or a temporal contrast to other colors.
5. The experience of colors involves psychological and cultural factors, such as emotions, expectations and memory, as well as artistic and aesthetic evaluations.
6. Understanding color requires first-hand exploration. Theoretical knowledge is helpful in explaining color and color phenomena, but a deeper understanding of color requires the direct experience of perceiving, judging, comparing, using and appreciating colors and color phenomena.

Finally, the CLP Cornerstones were outlined. At the heart of the project is a new, foundational, 21st Century Color Curriculum based on hands-on exploration of the Color Literacy Cornerstones:

- **Experiencing Colors** - Exercises that build awareness of the wonder of color all around us.
- **Describing Colors** - Exercises that expand color language beyond 2D hue circles to 3D color models.
- **Perceiving Colors** - Exercises that explore the elements of color perception.
- **Working with Colors** - Exercises that focus on comparing the use of color across disciplines.

Please see more information on the work of this cooperative effort in the Colour Education AIC Study Group section of this Annual Review.

Colour Literacy Project Forum

Luanne Stovall shared an update on the four online forums that were hosted by the CLP team in 2024.

1. **Forum #7:** *Color in Context* on March 22. Speakers: Harald Arnkil and Valtteri Arstila.
2. **Forum #8:** *The Interaction of Color and Light* on June 13. Speakers: David Briggs, Silvia Pont and Kine Angelo.
3. **Forum #9:** *Color through Time: Histories, Meanings, Practices* on November 8. Speakers: Patrick Baty, Spike Bucklow and Judith Mottram.
4. **Forum #10:** *Color in Modern and Contemporary Contexts*. Speakers: Alexandra Loske, Carolyn Purnell and Dominique Grisard.

Forum recordings are available on YouTube at <https://www.youtube.com/channel/UCS1iGEmfo85NKNM7PfkVVig>



Roland L. Connelly, Sr. 1945-2024

IN MEMORIAM

In 2024, ISCC lost two remarkable colleagues who were long-time members and played seminal roles in the history of our organization.

Roland L. Connelly, Sr. 1945-2024

Roland Connelly was a brilliant and curious scientist, and an engaging teacher in the field of color science. The hallmark of his career was his own company, SheLyn. SheLyn was keenly engaged in supporting industries to correctly manage color quality control. Roland was key to implementing standardized methods to evaluate and communicate information related to color. Roland's activity in the standards organizations meant that his contributions were not limited to a single company. Instead, his work benefited all industries that control color. Roland served as President of ISCC and American Association of Textile Chemists and Colorists) AATCC. Roland was an active member of

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American Society for Testing and Materials (ASTM)
He was awarded the coveted ISCC Macbeth Award and AATCC Education Award both for impactful and outstanding contributions in the field of color. In retirement, Roland served on the board of Hunter Lab, a leading supplier of color evaluation hardware and software. He was a frequent lecturer and author of numerous papers on topics such as Lighting, Colorant Formulation, Quality Control, Supply Chain Management, and Instrumental UV Calibration. He served many years as the U.S. spokesman for color measurement in ISO TC38, Textiles.



Arthur (Art) William Springsteen 1948-2024

Color Impact 2025, Color as Communication Logo.



Arthur (Art) William Springsteen 1948-2024

Art Springsteen was a longtime friend, mentor, and supporter of the ISCC, its membership, and indeed the greater color community. The company he founded in 1999, Avian Technologies, LLC, has been an ISCC Sustaining Member since 2007, demonstrating his enthusiastic advocacy for the color community. His active support precedes even the founding of Avian Technologies, as Art was the champion within Labsphere for their Sustaining Membership beginning in 1992. In addition to that support, Art served on the ISCC Board of Directors from 2013 to 2015, and in a variety of capacities at many conferences over the years. After receiving his PhD in Chemistry from West Virginia University, Art worked at Labsphere, ultimately as Principal Scientist and Director for Advanced Development. Art published more than thirty scientific papers and contributed to Spectroscopy magazine's "Spectroscopy Workbench" section. He was the co-author/editor (with Jerry Workman) of the Academic Press book *Applied Spectroscopy, A Complete Guide for Practitioners*, and edited the *Proceedings of the Third and Fourth Oxford Conferences on Spectrometry*. Art was an active member of the Council of Optical Radiation Measurement (CORM), ASTM Committee E-12 (Color and Appearance) and E-13 (Molecular Spectroscopy), the Society for Applied Spectroscopy, and Council for Near-Infrared Spectroscopy. Recently, Art worked with NASA, the Neils Bohr Institute, and Lucideon Ltd. to develop color standards that are used to calibrate the cameras of the Mars 2020 Perseverance Rover.

COLOR IMPACT 2025

ISCC will be hosting another **Color Impact Conference** from June 16-18, 2025. The theme of the Conference is Color as Communication. The venue will be the Rochester Institute of Technology in Rochester, New York. This conference will feature keynote presentations, workshops, and exhibitions centered around the topics of Color as Communication in Technology, Design, Culture, and Nature. This Conference promises to be a perfect blend of learning, innovation, and community building for anyone passionate about color! Registration will be open in May. We encourage our AIC colleagues to join us in Rochester, NY in June. Please visit <https://iscc.org/Color-Impact-2025> for more details.

Finally, ISCC is pleased to invite you to learn more about all our activities by visiting our website at www.iscc.org