

14th AIC Congress – Milan 2021 August 30th – September 3rd 2021 Definitive Program

Note: all time scheduling is refer to UTC+2

Monday August 30th, 2021 (single session ROOM 1)

09:00 – 10:05			
SPECIAL SESSION INNOVATION AND RESEARCH IN COLOR FOR BEAUTY CARE AND HAIRSTYLE -1 Chairs: <i>Alessandro Rizzi, Maurizio Rossi</i>			
<u>Oral:</u>			
Christine Fernandez-Maloigne	History of colors and beauty		
Helene De Clermont-Gallerande A comparative study of lipstick shades preferences by geographical area			
Isabel Espinosa Zaragoza Parallelism as advertising strategy in Maybelline's lipstick colour names			
Yuchun Yan, Hyeon-Jeong Suk Fifty Shades of Beige: An Analysis on the Color System for Liquid Foundation			
	10:05-10:15 BREAK		
	10:15 - 11:05		
SPECIAL SESSION INNOVATION AND RESEARCH IN COLOR FOR BEAUTY CARE AND HAIRSTYLE -2 Chairs: Christine Fernandez-Maloigne, Helene De Clermont-Gallerande			
Oral:			
Xiaoxuan Liu, Rui Peng, Ming Ronnier Luo The impact of skin colours on visual impression			

n Lu, Kaida Xiao Quantifying facial colour appearance of Caucasian and Chinese faces			
Kumiko Kikuchi, Shoji Tominaga, Jon Hardeberg	Development of measurement system for optical properties of facial skin using 3D camera and projector		
Short presentation:			
Katsuaki Sakata, Hitomi Shimakura	Reference point for judging human facial skin tone		
	11:05-11:15 BREAK		
	44.45.40.00		
	11:15 - 12:00		
	SPECIAL SESSION ND RESEARCH IN COLOR FOR BEAUTY CARE AND HAIRSTYLE – 3 Dene De Clermont-Gallerande, Christine Fernandez-Maloigne		
	SPECIAL SESSION ND RESEARCH IN COLOR FOR BEAUTY CARE AND HAIRSTYLE – 3		
Chairs: He	SPECIAL SESSION ND RESEARCH IN COLOR FOR BEAUTY CARE AND HAIRSTYLE – 3		
Chairs: He	SPECIAL SESSION ND RESEARCH IN COLOR FOR BEAUTY CARE AND HAIRSTYLE – 3 Lene De Clermont-Gallerande, Christine Fernandez-Maloigne		

12:10 - 12:55

SPECIAL SESSION INNOVATION AND RESEARCH IN COLOR FOR BEAUTY CARE AND HAIRSTYLE - 4 Chairs: Alessandro Rizzi, Marcello Picollo

<u>Oral:</u>	
Daniele Fusari Influence of color discrimination proficiency on wellness professionals' training and craft	
Giannantonio Negretti	Hair coloring and customer satisfaction
Lupe Voss, Sherman Wong	More than a tube of Hair Colour - The Emotion

12:55-13:30 BREAK

13:30-15:30 OPENING CEREMONY

Maurizio Rossi - Congress Chair welcome

Vien Cheung - AIC President

Marcello Picollo - Associazione Italiana Colore President

Alessandro Rizzi - Congress Chair to introduce the Congress Program

Premio Colore GdC 2021 - Vittorio Storaro

15:30 - 16:00 BREAK

16:00-16:40 Invited Speaker Reiner Eschbach "Color deficient see this way...or don't they?" Chair: *Alessandro Rizzi*

Chair: Alessunuro Rizz

16:40-16:50 BREAK

16:50-18:05

SPECIAL SESSION ALL THE COLORS OF CINEMA – 1

Chairs: Sabrina Negri, Mark Wentworth, Alice Plutino

<u>Oral:</u>		
Ivan Magrin-Chagnolleau	Handling Color in Photography and Film: From Photo Retouching to Color Grading	
Pedro Felipe Pinho Souza	Color correction and color grading: how a film colorist works	
Manuela Piscitelli	Colour in characters' identity in the animation cinema	
Alice Plutino, Beatrice Sarti, Gabriele Simone, Alessandro Rizzi	A film in a frame: movie barcodes for film restoration	
Mark Wentworth, Orly Morgenstern, Tania Erandeni Fuentes Villa	The Lilac Scarf – Color as a visual narrative as depicted in the film Far From Heaven (2002)	

18:05-18:15 BREAK

18:15-19:45

SPECIAL SESSION ALL THE COLORS OF CINEMA – 2

Chairs: Alice Plutino, Mark Wentworth, Sabrina Negri

<u>Oral:</u>	
Paula Csillag, Amanda Sabião	PIXAR's Colorscripts: Chromatic Analyses of Four Films Using Sens Org Int Model
Ângela Santos, Vanessa Otero, Márcia Vilarigues	Colours of pre-cinema projections: the evolution of hand-painted magic lantern glass slides' palette
Sabrina Negri	Fine Arts on Film: The Hand-Painted Work of Stan Brakhage
Giorgio Trumpy, Sreya Chatterjee, Ulrich Ruedel, Barbara Flueckiger	A Material Investigation of Color Film Technology through the Koshofer Collection
Luca Giuliani	Digital color in cinema: an incomplete transition
Beatrice Sarti, Arianna Crespi, Giulia Morabito, Alice Plutino, Alessandro Rizzi	Film Repository for Restoration (FiRe2): identification of photographic and cinematographic films

19:45-19:55 BREAK

19:55-20:55

SESSION 1 - COLOR AND CULTURE

Chairs: Doreen Balabanoff, Letizia Bollini

Giran of 201 con Barabanoj), 2002ra Bonnin		
<u>Oral:</u>		
Martino Pavignano, Ursula Zich	Colour, material and prototyping for Architecture	
Enrico Zampieri, Vincenzo Baldoni, Simone Garagnani, Andrea Gaucci, Michele Silani	Digital reproduction of colors and materials used in pottery: a case study from the ancient Picenum	
Marcela Sepúlveda	Polychromy from the Atacama Desert (South America). An interdisciplinary approach for an archaeology of color.	
Camilla Tartaglia	The hidden history of woad blue: a path through technology and diffusion of "European indigo" in 18th-century technical literature	

Tuesday August 31st, 2021 (2 parallel sessions)

ROOM 1 09:00-10:15 SESSION 2 - COLOR AND PHYSIOLOGY Chairs: John Barbur, Marisa Rodriguez-Carmona			ROOM 2 09:00-10:25 SESSION 4 - COLOR AND DESIGN Chairs: Berit Bergstrom, Maurizio Rossi		
<u>Oral:</u>		_	Oral:		
Larry Wallace	An introduction to Syntonic Phototherapy, and Vision Rehabilitation		Aigerim Shunayeva, Taesu Kim, Bokyung Lee, Hyeon- Jeong Suk	Style assessment of home appliances in various interiors using virtual reality	
Kota Akiba, Midori Tanaka, Takahiko Horiuchi	Effect of ipRGC on Colour Perception of Display Device under Various Illuminants		Gyunpyo Lee, Taesu Kim, Hyeon-Jeong Suk	Is Blue still a Representative for Future Vehicles?	
Miyoshi Ayama, Minoru Ohkoba, Tomoharu Ishikawa, Shoko Hira, Sakuichi Ohtsuka	Difference Scaling and Color Naming of Red-Green Color Deficiencies		Boram Kim, Hyeon-Jeong Suk	Visualization of chair color data through network analysis	
Firdevs Gökmenoğlu, Saadet Akbay	Effects of Colour on the Sense of Immersion in Virtual Interior Environments		Terumi Konno, Koichiro Kakiyama, Yasuhiro Kawabata	Observed changes in garment color selection of university students across normal and test periods	
Short presentation:			Short presentation:		
Hideki Sakai	Brightness evaluation under the closed-eye condition: Measurement of optical transmittance of eyelid		Masato Sakurai, Ryoma Yamamoto	Relationship Between Taste Impression and Color in Snack Packages	
Taesu Kim, Hyeon-Jeong Suk	EEG Responses to In-Car Dynamic Cluster Light		Tomoharu Ishikawa, Takumi Nakajima, Yoshiko Yanagida, Minoru Mitsui, Kazuya Sasaki, Miyoshi Ayama	Effect of Sensation Modalities on Texture Evaluation of Beige Fabrics by Japanese and Chinese	
10:15-10	:25 BREAK		Yumi Awano, Masayuki Osumi	The visual effect of costume woven with peacock feathers and the symbolism in Japanese culture - Evaluation derived from gonio-photometric spectrum analysis and microscopic observation	

		Eunji Han, Yungkyung Park	A study on associative color attributes of Antonyms in Korean language	
		10:2	5-10:35 BREAK	
	ROOM 1 10:25-12:00		ROOM 2 10:35-12:10	
	R AND PHYSIOLOGY rdel, Cristian Bonanomi		SESSION 5 - COLOR AND DESIGN Chairs: Saara Pyykkö, Francesca Valan	
Oral:	,	Oral:		
Francisco Díaz-Barrancas, Halina Cwierz, Pedro José Pardo	A study of physical and perceived linearity in a virtual reality environment	Agata Kwiatkowska- Lubańska	Colour and ornament in the Polish Art Deco style. Karol Homolacs and his colour course at the Cracow Workshops 1913-1926	
Kari Bjerke Gjærde, Anne Kristin Kvitle, Phil Green, Peter Nussbaum	How accurate is an on-line test for colour vision deficiency?	Verena M. Schindler, Yulia A. Griber	The evolution of environmental colour design in the French period	
Laura Rey-Barroso, Mónica Roldán, Francisco J. Burgos- Fernández, Susanna Gassiot, Anna Ruiz Llobet, Ignacio Isola, Meritxell Vilaseca	Evaluation of Confocal Microscopy as a Diagnosis Tool on Red Blood Cell Diseases	Anna Kmita	CMF in commemorative ceramics. Project of a color and texture palette on the example of "Ckliwie na szkliwie"- Nostalgic Glaze. Personal collection of memories on ceramic plates.	
Kazim Hilmi Or	A specific use of colour and dyes: "Vital dyes in ophthalmology"	Marcus Farr, Andrea Macruz	Colored Response: Technology, Thermo-chromic Material Systems and Human Awareness	
Marisa Rodriguez-Carmona, Benjamin E. W. Evans, John L. Barbur	Assessing colour vision using single and multi test protocols	Francesco Scullica, Elena Elgani, Umberto Monchiero	The relevance of color in post COVID-19 interior design	
Flávia Mayer	The Construction Of Color By The Congenitally Blind	Anna Barbara, Reejy Atef Abdelatty Mikhail, Maria Camila Álvarez García	The Odor of Colors: Correspondence from a Cross-Cultural Design Perspective	
Short presentation:		Short presentation:		
Francisco J. Burgos-Fernández, Tommaso Alterini, Fernando Díaz-Doutón, Meritxell Vilaseca	Colorimetric analysis of eye fundus structures with multispectral retinography	Gyeonghwa Lee, Vien Cheung, Tang Tang	The role of colour designers in the design process	

12:00-12:20 BREAK		12	2:10-12:20 BREAK
Robin Jenkin "T	ROO 12:20-13:00 Ir The influence of CFA choice on a Chair: <i>Gabr</i>	vited Speaker utomotive and other crit iele Simone	ical imaging systems"
	13:00-13:		
	ROO 13:30-15:30 AIC (
	15:30-16:	00 BREAK	
	ROO 16:00-16:40 Ir Luca Missoni "Color Chair: <i>Mau</i>	vited Speaker r in fashion design"	
	16:40-16:	55 BREAK	
ROOM 1 16:55-17:55 SPECIAL SESSION ILA - 1 COLOUR, LIGHT & SOUND: HOLISTIC APPROACH FOR WELLBEING Chairs: Vicky Syriopoulou, Jeannette Hanenburg		ROOM 2 16:55-17:55 SESSION 6 – COLOR AND DESIGN Chairs: Ralf Weber, Agata Kwiatkowska-Lubańska	
Oral:	ou, jeunnette nunenburg	Oral:	
Thelma van der Werff, Mary Ashby-Green	Colour as a coaching tool with Colournostics	Michel Albert-Vanel	Combinations of colours as an analogue model in Modern Art
Pascal Vidal	Photonic Medicine, the therapeutic use of light and colours in Medicine	Gisela Costa Pinheiro Monteiro, Robert Hirschler	A mount-it-yourself 3D colour model for designers
Pauline Allen, Heather Benghiat, Phil Stickland	How the sensory systems impact our journey through life	Ingrid Calvo Ivanovic, Marta Elisa Cecchi, Clorinda Sissi Galasso, Ambra Borin, Claudia Mastrantoni, Martina Scagnoli	The Colours of Individual and Collective Memory: Mnemosphere, a Visual Atlas of Memory, Emotions and Atmosphere of Places

Susana Ribeiro	Bodygraphy - Chromatic performance on surrounding space	Luwen Yu, Stephen Westland, Vien Cheung, Guobin Xia	Analysis of research strategies to determine colour preference II: AFC, rank-order and rating
1	7:55-18:05 BREAK	17:5	55-18:05 BREAK
ROOM 1 18:05-19:05 SPECIAL SESSION ILA - 2 COLOUR, LIGHT & SOUND: HOLISTIC APPROACH FOR WELLBEING Chairs: Vicky Syriopoulou, Jeannette Hanenburg		ROOM 2 18:05- 19:05 SESSION 7 – COLOR AND DESIGN Chairs: <i>Dimitris Mylonas, Doreen Balabanoff</i>	
Oral: Gerald Zrenner	echobell - "Sound-pharmacy to go" Effective treatment with sound, vibration and light	Oral: Déborah Epicoco, Christine Mohr, Mari Uusküla, Michael Quiblier, Maliha Bouayed Meziane, Eric Laurent, Domicele Jonauskaite	Making sense of free associations with PURPLE – A new coding scheme testing French speakers in three countries
Angelika Klotz	Post-Pandemic Support with Colour, Light and Frequencies	Inez Michiels	Design Semantics Database
Valérie Bonnardel	Colour, Human experience and cyborgism	Martinia Ira Glogar, Sandra Flinčec Grgac, Antonia Zanchi Sarwari, Jose M. Canal	Interaction of Colour and Cotton Fabric Surface Coated with Ultrafine Cellulose (UFC)
Margo Ruiter	The power of earth colours	Guobin Xia, Philip Henry, Francisco Queiroz, Stephen Westland, Luwen Yu	Colour-cognitive performance interaction in Virtual Reality (VR): A study of gender differences
1	9:05-19:15 BREAK	19:0	05-19:15 BREAK

ROOM 1 19:15-20:45

SPECIAL SESSION ILA - 3 COLOUR, LIGHT & SOUND: HOLISTIC APPROACH FOR WELLBEING

Chairs: Vicky Syriopoulou, Jeannette Hanenburg

Oral: The imagined body (2001-2021) Claudia Bonollo **Daniel Asis** Auricular Chromotherapy in the treatment of Psychological Trauma Arzhan Surazakov Principles of regenerative therapy with low-intensity laser, colour, ultrasound and magnetic field (coMra) Abhay Wadhwa Soul-X: The Experience Center for Mind-Body Harmony Anadi Martel, Christophe Treating chronic pain and Desteugue depression with color and sound:

system

recent studies using the Sensora

ROOM 2 19:30-20:40

SESSION 8 – COLOR AND DESIGN Chairs: Vien Cheung, Francesca Valan

Oral:	
Delia Dumitrescu, Marjan	Colour, texture, and luminance:
Kooroshnia, Erin Lewis,	Textile design methods for printing
Kathryn Walters	with electroluminescent inks
Elizaveta Kushnirenko	Color in Fashion Design: orange that
	changed our perception of Luxury -
	the use of color at Hermès Paris.
Xuechang Leng	The meaning of blue-green tiles on
	the roofs of the Qinzheng Hall
	complex at the Summer Palace
Rebecka Pires	Application of color in domestic
	interior design: an analysis of the
	1960s, 1970s and 1980s
Short presentation:	
Gianluca Guarini, Maurizio	Procedure to obtain trustful colors
Rossi	in renderings produced by BIM
Ana Paula Pinheiro, Rui	Color and Sustainability in Fashion
Duharte	Design: DUARTE, Portugal

Wednesday September 1st, 2021 (2 parallel sessions)

ROOM 1	ROOM 2
09:00-10:35	09:00-10:35
SESSION 9 -COLOR AND EDUCATION	SESSION 14 -COLOR AND PSYCHOLOGY
Chairs: Robert Hirschler, Jodi Sandford	Chairs: Osvaldo Da Pos, Alessandro Bortolotti
Oral:	<u>Oral:</u>

David Briggs	More than Three Dimensions: Communicating the Attributes of Colour Perception in Colour Education	Mahshid Baniani	What color is your mood? The association between moods and colors
Ching Chih Liao	Analysis and Application of Artwork Color - Awakening Students' Color Aesthetics and Narrative Ability through Artworks at the National Palace Museum in Taipei	Jinyoung Kim, Jiyeon Lee, Yungkyung Park	Why are common nature colors (soil, sand, trees, sky, stones, etc.) useful? Why does it go well with all colors?
Woon Lam Ng	Factors that Influence Color Choice – A Study of Cultural, Symbolical and Synesthetic Behaviors	Byeongjin Kim, Taesu Kim, Hyeon- Jeong Suk	Comfortable Brightness for Watching Television in the Dark
Gülru Mutlu Tunca, Saadet Akbay, Güler Ufuk Demirbaş	Parametric Design Studio in Interior Architecture Education: A Case of Integration of Colour Design	Akira Asano, Ayaka Shimura, Chie Muraki Asano	Effect of red color and external interferences in selection tasks
Paul Green-Armytage, Maggie Maggio	Beyond the Rainbow: A New Sorting Set for Teaching colour	Ray-Chin Wu, Chao-Lung Lee, Ming-Hsiu Mia Chen, Chien-Wei Chang, Yun-Maw Cheng	A study on colour emotions of the mask
Short presentation:		Short presentation	<u>1:</u>
Lea Jeong , Yungkyung Park	Color Names Education Effect on the Color Range Recognition	Andrew Chalmers	Is "Naturalness" a valid lighting concept
Jihye Choi, Paolo Calafiore	Colorful safety guide	Yoonjeong Jo, Yungkyung Park	Changes in Color Appearance and Preference of Rose Affected by Color Temperature and Illuminance
Junior Vendrami, Marley de Lira, Berenice Gonçalves	Educational resources based on augmented reality applied to Color Theory contents / UFSC	Ichiro Katayama, Kin'nosuke Yamaji	Effect of the shade due to the surface unevenness of objects on whiteness perception
10:35-10	0:45 BREAK		10:35-10:45 BREAK
ROOM 1 10:45-12:00			ROOM 2 10:45-12:00
	SESSION 10 - COLOR AND RESTORATION Chairs: Marco Gaiani, Anna Marotta		N 15 - COLOR AND PSYCHOLOGY Cristian Bonanomi, Yulia A. Griber

Junglim Lee, Yungkyung Park	Colour Prediction Method of Digitalized Korean Court Documentary Painting	Muhammad Farhan Mughal, Ming Ronnier Luo, Michael R. Pointer	Perceived attractiveness across Chinese and Pakistani ethnic groups
Wensi Lin, Mengyue Zhang, Jisheng Wang, Mengqi Li, Jing Chen	The Experimental Restoration of the Colour of Nanjing Brocade from China	Tzuhao Liu, John Hutchings, Ming Ronnier Luo	The Valence and Arousal contribution of colour parameters
Yuton Jiang, Luke Li, Yihua Zheng			Visual and sensory perceptions between static and dynamic colors
Martina Redi, Sofia Ceccarelli, Alessandra Terrei, Noemi Orazi, Fulvio Mercuri	Diagnostic analysis for colour restoration of a painted Japanese <i>emakimono</i>	Pia Lopez- Izquierdo	The Emotional Language of Colour
Marcello Picollo, Costanza Cucci, Andrea Casini, Filippo Cherubini, Lorenzo Stefani	Hyper-Spectral Imaging Technique: Application for Colorimetric Analysis of Paintings	Short presentation:	
		Sachiko Noguchi, Rumiko Takata, Kaori Segawa, Ichiro Katayama	Application of color feelings prediction formulas to the estimation of two-color combination feelings of "kimono"
		Shi-Min Gong, Wen-Yuan Lee	Color Preference for Color Combinations Applied onto Three-Dimensional Color Configuration
12:00-12:20 BREAK		Alessandro Bortolotti, Loreta Cannito, Stefano Anzani, Riccardo Palumbo, Maurizio Rossi	Lighting emotions: a review of the emotional influence of color perceived lightness
			12:00-12:20 BREAK

ROOM 1

12:20-13:00 Invited Speaker

Austin Nevin "Conservation science and changing colours – Approaches to measuring and managing change"

Chair: Marcello Picollo

13:00-13:15 BREAK

ROOM 1 13:15-16:15 AIC Study Groups Workshop

13:15 - 14:45 <u>AIC 2021 Study Group on Environmental Color Design</u> Chairs: *Yulia A. Griber, Verena M. Schindler*

The authors of this session have not been subjected to double-blind peer-review. Therefore as requested by the AIC, they will not be published in the AIC proceedings series.

-Zena O'Connor "Identifying and managing the factors that impact variability between specified and perceived color"

-Pablo Manyé "Variability of sociocultural colour associations related to the environment in Northeastern Brazil"

-Monica Kuo "East vs. West: How color is perceived differently in psychological and physical environments of different cultures"
 -Kazim Hilmi Or "Colours of face masks used during Covid-19 pandemic and social messaging"

- Stig Evans "London's Largest Painting"

14:45-16:15 AIC 2021 Study Group on Language of Color Chairs: Galina Paramei. Dimitris Mylonas

The authors of this session have been subjected to double-blind peer-review. Therefore they will be published in the AIC proceedings series.

- Emanuela Valeriani & Lourdes García Ureña "The language of color in the Bible (Hebrew, Greek, Latin): A methodology to approach the meaning of color terms"
- Maria MichelaDel Viva, Ilaria Mariani, Carmen De Caro, Galina Paramei "Florence blues are clothed in triple basic terms"
- Mari Uusküla "From Welsh gwyrdd to Italian azzurro: Translation of colour language between and within languages"
 Galina Paramei & Dimitris Mylonas, Discussion & the SGLC by 2021

ROOM 2 13:15-16:15 AIC Study Groups Workshop

13:15 - 14:45 <u>AIC 2021 Study Group on Arts and Design</u> Chair: *Maria João Durão*

The authors of this session have not been subjected to double-blind peer-review. Therefore as requested by the AIC, they will not be published in the AIC proceedings series.

13:15 WELCOME REMARKS

13: 20 Jeannette Hanenburg "Art Classes at Ações Sociais Amigos Solidários

(ASAS)-Florianopolis, Brasil. Room with a view - A case study" 13:45 ARTS & DESIGN VIRTUAL EXHIBITION (Part 1) -

Curated by Maria João Durão

14:00 Larissa Noury "COLOUR HARMONY: ART, DESIGN & ARCHITECTURE.

Tactile painting & Haute Couture"

14:15 ARTS & DESIGN VIRTUAL EXHIBITION (Part 2) Curated by Maria João Durão

14:30 DISCUSSION

14:45-16:15 <u>AIC 2021Study Group on Color Education</u> Chairs: *Robert Hirschler, Maggie Maggio*

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16:15-16:30 BREAK

ROOM 1

16:30-17:10 Invited Speaker Giovanni Pinna "Lighting and color design in the show"

Chair: Maurizio Rossi

17:10-17:15 BREAK

ROOM 1 17:15-18:15 SESSION 11 - COLOR AND LIGHTING Chairs: Andrea Siniscalco, Gianluca Guarini		ROOM 2 17:15-18:35 SESSION 16 - COLOR AND PSYCHOLOGY Chairs: Galina Paramei, John McCann		
Maurizio Rossi Laura Bellia, Francesca Diglio, Francesca Fragliasso	A proposal for the definition of colored light sources in lighting CAD Lighting quality for home-working spaces: a survey	Anna Marotta, Alessandra Brosio Domicele Jonauskaite,	Color as a therapeutic adjuvant: theories and applications in the hospital setting Colour-emotion associations: What have we learned so far and what are the unknowns?	
Carolina Espinoza-Sanhueza, Claude Mh Demers, Jean-François Lalonde, Charles-Antoine Pelletier, Marc Hébert	Potential of colour in interiors for human light-responsive ambiances in northern locations	Christine Mohr Barbara Matusiak, Marzieh Nazari, Kine Angelo	Colour shift due to Chromogenic dynamic glass	
Laura Bellia, Urszula Błaszczak, Francesca Fragliasso, Lukasz Gryko	The colours of light in indoor environments: Mixing daylight and electric light spectra to define a proper match	Juan Serra, David De Andrés, Ana Torres	ColorDoku 3d, gamification to improve perceptual color discrimination ability and spatial vision	
18:15-	18:25 BREAK	Katherine Carpenter, Susan Farnand	Determination of the Representative Color of a Smartphone Image	

ROOM 1

Short

18:25-19:35			presentation:	
	OR AND RESTORATION evin, Marcello Picollo			
Oral:			Nian Xiong, Henry J. Trussell, Renzo Shamey	Psychophysical Study of the Perception of Color Gradient Boundaries
Guido Frison, Maurizio Aceto, Angelo Agostino, Dimitris Mylonas, Alberto Calatroni	Spectrographic analysis of the colourants of cultural items: from a qualitative to a semi-quantitative data treatment through BCTs		,	18:35-18:45 BREAK
Jimena Vanina Odetti, Alberto Reyes González	Color, landscape and cultural heritage. The case of the Pitillal river, in Puerto Vallarta, Jalisco, Mexico.	ROOM 2 18:45-20:15		
				ON 17 - COLOR AND EDUCATION Laggie Maggio, Verena M. Schindler
Olivia Kuzio, Susan Farnand	LED-based versus Filter-based Multispectral Imaging Methods for Museum Studio Photography		Oral:	
Eric Kirchner, Carola van Wijk, Henni van Beek, Tammo Koster, Pim Koeckhoven	A new target to test color accuracy in technical photography of fine arts		Berta Martini, Rossella D'Ugo, Monica Tombolato	Teaching and learning color. An insight into STEM/STEAM approach
Short presentation:			Caroline Bouchez, Blandine Chorein, Dominique Corger	Color and Polymers at ITECH
Hortense de La Codre, Charlotte Marembert, Rémy Chapoulie, Laurent Servant, Aurélie Mounier	Hyperspectral mapping (VIS-SWIR) of materials of three 18th C. tapestries of Royal Manufactures in France (Gobelins, Beauvais, Aubusson)		Saara Pyykkö	How to convert the experience–based university course about colour, light and space for the web?
Márcia Hazin, João Pernão	The NCS color notation as a guide to produce colors from traditional pigments in conservation: The case study of two painted ceilings from eighteenth-Century Churches in colonial Brasil		Franca Zuccoli	Mario Lodi: "Children's colours are festive, flamboyant, vivid colours"

19:35-19:45 BREAK			Flora Gaetani, Fausto Brevi, Donatella Balloni	Color proposals consistency in the CMF for car design education
	ROOM 1 9:45-21:00		Craig Kirkwood	We don't know Jack about Hue – the Colour Knowledge Survey
	R AND BUILT ENVIRONMENT Marotta, Larissa Noury			
Oral:	J			
Jean-Luc Capron	Spatio-temporal Factors of Colored Light Sequences in the Built Environment: the case of a choral concert – Part One			
Camilla Giani, Cristina Boeri	Children's colour preferences in the school context			
Estelle Guerry	Prehension and qualification of chromatic and lighting environment. Study case – Païmio Sanatorium, Alvar Aalto			
Justyna Tarajko-Kowalska	Is "yellow house" really "yellow"? Survey on determining the range of perceiving the yellow color on building facades depending on the hue, lightness and chroma.			
Ana Sutlović, Martinia Ira Glogar, Ivana Padavić, Koraljka Kovač Dugandžić	Plant Transfer Printing on Cotton and Silk			

Thursday September 2nd, 2021 (2 parallel sessions)

ROOM 1 09:00-09:55		ROOM 2 09:00 - 10:35			
SESSION 18 - COLOR AND MEASUREMENT/INSTRUMENTATION Chairs: Ming Ronnier Luo, Hyeon-Jeong Suk		SESSION 25 – COLOR AND COMMUNICATION/MARKETING Chairs: <i>Anna Marotta, Larissa Noury</i>			
Oral:		Oral:	,		
Kanoko Makino, Kaoruko Kitamura, Haruno Tsuda, Yuki Oe, Nozomu Yoshizawa	Colour appearance of a white space with greenish daylight	Zena O'Connor	Data visualization: The power and persuasive capacity of color		
Shimpei Fukagawa, Hiroyuki Iyota, Hideki Sakai, Mai Isomi	Development of color and gloss measurement system with wide-range temperature and humidity control unit	Qinyue Chen, Yuchun Yan, Hyeon-Jeong Suk	Designing Voice-Aware Text in Voice Media with Background Color and Typography		
Raymond Chiang, Pei-Li Sun	Identify the characteristics of optically variable inks with deep learning	Boshuo Guo, Stephen Westland, Peihua Lai	Sentiment Analysis Based on Frequency of Colour Names on Social Media		
Short presentation:		Daniela F. Pinheiro, Teresa Almeida, Domingos Loureiro	Color Specificity: the perception of difference through exhausting repetition		
Shuhei Watanabe, Takahiko Horiuchi	Estimation of authenticity model considering the colour: Leather as a case study				
09:	55-10:05 BREAK	Short presentation:			
1	ROOM 1 10:05 - 10:55	Anica Hunjet, Sandra Križan, Dijana Vuković	Influence of wine color on wine selection and consumption		
	MEASUREMENT/INSTRUMENTATION o Horiuchi, Dimitris Mylonas				
Oral:		Lidija Mandić, Maja Strgar Kurečić	The role and signifance of color when choosing cars		
Jiaxun Zhang, Haisong Xu, Hao Jiang	Cross-media color reproduction under mixed adaptation condition	Peihua Lai, Boshuo Guo, Stephen Westland	Why do people choose their car colours?		
Ye Zhang, Kaiyin Chen, Shulei Ma	Study on colour effect of transparent material under colour-light	10:35-10:45 BREAK			

Qinyuan Li, Jinxing Liang, Yan Lu, Kaida Xiao, Michael Pointer	Quantification of the effect of colour appearance and materials on the visualtactile properties of fabrics	ROOM 2 10:45-11:40 SESSION 26 -COLOR AND CULTURE Chairs: Osvaldo Da Pos, Simone Garagnani		
Short presentation:		Oral:	uo Du 1 05, Simone dai agnam	
Shahin Aldhahir	Differential Color Perception Theory	Qian Huang	A Study On The Original Religious Color Of Miao Nationality In Fenghuang County Of China	
10	:55-11:05 BREAK	Zoriana Lotut	Reading Medieval Colour. The Case of Blue in the Canterbury Tales	
	ROOM 1 11:05-12:10			
	0 - COLOR AND DIGITAL senij, Javier Hernández-Andrés			
Oral:		Short presentation:		
Yiming Huang, Haisong Xu, Zhengnan Ye	HDR image quality evaluation for mobile displays	Xiaochan Ge, Xue Mao, Jie Xu	Identifying the colour of Longquan Celadon Porcelain	
Li Yumei, Liao Ningfang, Wu Wenmin, Deng Chenyang, Li Yasheng	Research on HDR image tone mapping algorithm based on modified ICAM06	Lia Luzzatto	Colors in the feminine between the Middle Ages and the Renaissance	
Sandhiya Jayaprakash Brindha, Monica Vatteroni, Gabriele Simone	HDR imaging using CMOS technology inspired by human eyes for Automotive applications	Renata Pompas	Chagall e Malevič: the colors of the imagination and the colors of the absolute	
Yi-Tun Lin, Graham Finlayson	Recovering Real-World Spectra from RGB Images under Radiance Mondrian-World Assumption			
Short presentation:				
Pengpeng Yao, Jack Hc Wu, John Xin	The use of LED-based illumination for Multispectral Imaging System		11:40-12:20 BREAK	
12:	10-12:20 - BREAK			

ROOM 1

12:20:13:00 Invited Speaker

Pietro Marani "Leonardo's color today: from the dark to the light" Chair: Maurizio Rossi

13:00-13:30 BREAK

ROOM 1 13:30-15:30 <u>AWARDS</u>

Leslie Harrington - AIC Vice President will chair this session Vien Cheung - AIC President will show the CADE Medal

Verena M. Schindler - Citation for Jean-Philippe Lenclos: the AIC Award for Colour in Art, Design and Environment (CADE) 2021 recipient

<u>Jean-Philippe Lenclos - CADE Award</u> Lecture: «Living in colour» -«Vivre en couleur»

Leslie Harrington - AIC Vice President will show the Judd Medal

Alessandro Rizzi - Citation for John McCann: the AIC Deane B. Judd Award 2021 recipient

<u>John McCann - Judd Award</u> Lecture: "Color Vision responds to Natural Scenes: Roles of Glare, Receptor Quanta Catch, and Neural Spatial Comparisons"

15:30-16:00 BREAK

ROOM 1 16:00-17:15			ROOM 2 16:00-17:15
SESSION 21 - COLOR AND DIGITAL Chairs: <i>Pedro Pardo, Susan Farnand</i>		SESSION 27 - COLOR AND CULTURE Chairs: Berit Bergstrom, Leslie Harrington	
Oral:		Oral:	
Cristian Bonanomi, Kedar Sathaye	Imaging colorimeters to evaluate Camera Monitor Systems	Dimitris Mylonas, Alexandros Koliousis, Mari Uusküla	Synonymy in the language of colour
Simone Bianco, Marco Buzzelli, Gianluigi Ciocca, Raimondo Schettini, Mikhail Tchobanou, Simone Zini	Analysis of Biases in Automatic White Balance Datasets	Yannis Skarpelos	Color semantics in popular culture: Greek women's magazines and music albums colors in the postwar era
Chloe Game, Michael Thompson, Graham Finlayson	Chromatic Weibull Tone Mapping for Underwater Image Enhancement	Letizia Bollini, Martina Falta	Brides in black widows in white. Semantic evolution of the social and cultural meaning of the colours

Marco Buzzelli, Simone Bianco, Raimondo Schettini	Angle-Retaining Color Space for Color Data Visualization and Analysis	Mari Uusküla, David Bimler	The green-blue border does not depend on the number of blues in a language: Evidence from cross-linguistic colour-naming data	
Short presentation:	Short presentation:		Age-related differences in richness and diversity of Russian color lexicon	
Ana Belén López-Baldomero, Manuel Rubiño, Carolina Ortiz, Carlos Salas Alfonso De Lucas Tron Hao Cui, Renzo Shamey Comparison of color gamuts generated by digital printing devices under different conditions The perceptual calibration of color. An exploration Diagnosis of Psoriasis using image segmentation and deep learning		Mylonas, Galina Paramei diversity of Russian color lexicon 17:15-17:25 BREAK		
17	:15-17:25 BREAK			
ROOM 1 17:25-18:45			ROOM 2 17:25-18:55	
	2 - COLOR AND DIGITAL ra Bellia, Mark Fairchild		28 - COLOR AND CULTURE Hirschler, Verena M. Schindler	
Oral:		Oral:		
Yuteng Zhu, Graham Finlayson	Designing a Single Pre-filter for Making a Group of Cameras more Colorimetric	KEYNOTE SPEAKER Clino Trini Castelli	Umbrella Diagram - 1981-2021, four decades of forecasts and CMF design	
Jake McVey, Graham Finlayson	Fast and Optimal Contrast Limited Tone Mapping	Anna Marotta, Rossana Netti	Knowledge as a project parameter: comparative colour theories	
Arjan Gijsenij, Peter Spiers, Stephen Westland, Pim Koeckhoven	Deriving representative color palettes from mood board images	Anna Marotta	Scientific basics in art from the Theories of Color: Authors, methods, rules, applications	
Emilie Robert, Magali Estribeau, Rémi Barbier, Greggory Swiathy, Justin Plantier, Pierre Magnan	Impact of the training data used in LLS optimization for faithful scene-specific color correction of raw images	Cristiana Bartolomei, Cecilia Mazzoli, Caterina Morganti The building materials of Luis Barra and colour		
Short presentation:		Joaquim Santos	Tili Wiru Tjuta Nyakutjaku:* Towards an Extensive Cultural Paradigm	
Barbara Blaznik, Franci Kovač, Grega Bizjak, Sabina Bračko	Fastness of black dye-based ink-jet printing inks in aqueous solution in the presence and absence of oxygen	18:55-19:05 BREAK		

Brandon Hobley, Graham Finlayson, Michal Mackiewicz, Julie Bremner, Tony Dolphin, Riccardo Arosio	Improving image registration using colour transfer methods in remote sensing applications		
Pedro Pardo, Francisco Díaz Barrancas, Halina Cwierz López	Color Constancy in virtual reality scenes. A first step toward a color appearance model in virtual reality		ROOM 2 19:05-19: 45 9 - COLOR AND CULTURE
Marisol Fernández-Carvelo, Miguel Angel Martinez- Domingo, Eva M. Valero, Juan Luis Nieves, Javier Romero, Javier Hernández-Andrés	Band selection for different dehazing algorithms in the visible range	Oral:	ari Uusküla, Paula Csillag
,	45-18:55 BREAK	Mark Fairchild	System for Visual Assessment of Wine Color
	ROOM 1 18:55-19:40 O MEASUREMENT/STRUMENTATION chamey, Francesca Fragliasso	Petronio Bendito	Algorithmic Color Methods of Media Arts
Oral:	iunicy, i runcescu i rugitusso	Short presentation:	
Esther Perales, Andrea Morales, Alejandro Ferrero, Juan Carlos Fernández- Becáres, Marjetka Milosovic, Joaquin Campos, Khalil Huraibat, Jorge Pérez, Valentín Viqueira	Impact of the color hue on the sparkle perception	Zhaohua Lei, Elza Tantcheva- Burdge, Vien Cheung	Investigation into the Colours of the DunHuang Murals from the Tang Dynasty

Khalil Huraibat, Esther	Multiangle visual validation of a physically	Henriette Jarild Koblanck,	Straw/Light - Colour
Perales, Eric Kirchner, Ivo	based rendering of goniochromatic colors	Monica Moro	January Zight Goldar
Van der Lans, Alejandro	g : g :		
Ferrero, Joaquín Campos			
Rada Deeb, Graham	The Locus Filter		1
Finlayson			
19	9:40-19:50 BREAK		
	ROOM 1 19:50-20:15		
	COLOR AND PRODUCTION João Durão, Filippo Cherubini		
Vesna Marija Potočić	Colour fading in the polyurethane coating		
Matković, Ana Sutlovic,	depending on the substrate and conditions		
Martinia Ira Glogar	of natural weathering		
Short presentation:	or natural weathering		
Ji Eun Lee	Evaluation of Emotional Images According		
J. Dan Dec	to Differences in Post-processing of Plastic		
	Cosmetics Containers		
Georgina Ortiz Hernández,	Shape, Color and Meanings. Comparison of		
Citlali Q. Ortiz Hernández,	Two Studies		
Oscar Francisco Bustamante			

Friday September 3rd, 2021 (single session ROOM 1)

SESSION 30 - COLOR AND LIGHTING Chairs: Laura Bellia, Andrew Chalmers					
Oral:	Oral:				
Hyeonju Park, Hyeon-Jeong Suk	Design Guidelines for Light Interfaces of Home Appliances				
Jingyi Lin, Keyu Shi, Ming Ronnier Luo	Colour Performance Evaluation for LEDSimulator Technology				
Stine Louring Nielsen, Emma-Sofie Hestbech, Nanna Hasle Bak, Michael Mullins Moving in Colour Illuminated Space: An Exploration of Analysis					
Ayse Nihan Avci, Saadet Akbay	OLED Lighting and Human Circadian System: A Review				
Short presentation:					
Lorrain Caumon, Georges Zissis, Céline Caumon, Élodie Bécheras, Estelle Guerry, Christelle Infantes	Colours, light & well-being: characterisation of chromatic phenomena in collective housing				
Andrea Siniscalco	A design approach to lighting and color rendering in indoor sets				
Mengyuan Chen, Stephen Westland	User acceptance of innovative blue light therapy to treat seasonal affective disorder				
Oscar Santilli	Colored light shapes. Protect and enhance the colors of artworks				

10:25-10:35 BREAK

10:35-12:05

SESSION 31 - COLOR AND BUILT ENVIRONMENT Chairs: *Anna Marotta, Ralf Weber*

<u>Oral:</u>	
Sari Yamamoto	Practice-based research on color planning for educational facilities
Asako Nakamura, Fabrizio I. Apollonio, Marco Gaiani,	Urban color mapping in Tokyo: the case study of Hillside terrace
Lanqing Gu, Adamantia Batistatou, Yvonne N. Delevoye-Turrell, Jenny Roe, Martin Knöll	Using artificial ground color to promote a restorative sidewalk experience: an experimental study based on manipulated street view images
Changying Xiang, Barbara Szybinska Matusiak	Aesthetic Evaluation of Facade Integrated Coloured Photovoltaics Designs-an International Online Survey
Esra Küçükkılıç Özcan, Fatma Rengin Ünver	A screen experiment on the assesment of façade colour perception factors
Patrizia Falzone	Complexity of the theme of the Painted Façades in the large and medium historical centers in relation to the

	environmental contexts to which they belong	
	12:05-12:20 BREAK	
	12:20-13:00 Invited Speaker Francesca Valan "Chromatic Sustainability: a new approach to color design" Chair: <i>Andrea Siniscalco</i>	
	13:00-13:30 BREAK	
13:30-14:30 CLOSING CEREMONY		
	Marcello Picollo - Associazione Italiana Colore President chair this session Valérie Bonnardel presenting the Color Group GB - Robert W G Hunt Poster Awards Doreen Balabanoff - AIC 2022 Canada presentation Pichayada Katemake - AIC 2023 Thailand presentation Paula Csillag - AIC 2024 Brazil presentation Tien-Rein Lee - AIC 2025 Taiwan presentation Ceremony of the virtual passage of the Banner from AIC2021 to AIC2022 (video) ssandro Rizzi & Maurizio Rossi - AIC2021 Chairs short talk on the numbers of AIC2021 Vien Cheung - AIC President closing talk	
	14:30-15:00 BREAK	
15:00-16:15		
Oral:	SESSION 32 - COLOR AND BUILT ENVIRONMENT Chairs: Fabrizio Ivan Apollonio, Fausto Brevi	
Doreen Balabanoff	Colour and Design of Birth Spaces: A transdisciplinary review of the literature	

Doreen Balabanoff Colour and Design of Birth Spaces: A transdisciplinary review of the literature Zhaohua Lei , Fabrizio I. Apollonio, Marco Gaiani A multiscale approach to the urban space color analysis starting from the case of study of the Collegio di Milano Gaiani Jenny Roe, Martin Knöll The variability of 'green' and blue' in natural and built environments and the implications for restorative environment research and psychological wellbeing. Filippo Cherubini, Andrea Casini, Costanza Cucci, Marcello Picollo, Lorenzo Application of hyperspectral camera and spectrocolorimeter for spectroscopic and colorimetric measurements on polychrome surfaces in a controlled environment: pros and cons of the presented technologies

 or, ceramics and architecture in the Spanish Renaissance. Serlian serial ceramics and their role in the astruction of a new spatiality

16:15-16:25 BREAK

16:25-17:25

SESSION 33 - COLOR AND BUILT ENVIRONMENT Chairs: *Marco Gaiani, Simone Garagnani*

Oral:	
Beichen Yu, Simon Bell, Giorgio Ponzo	The emerging trend of saturated colour in the contemporary urban environment: an updated view of colour
Ralf Weber, Kine Angelo, Thomas Kanthak, Maya Weber	A Color Inventory of and a Color Guide to Dresden's Neustadt
Francesca Salvetti, Michela Scaglione	The use of color in the urban landscape through regeneration projects of the degraded open spaces of the city
Margherita Cicala, Luciano Lauda	The color in the street art of Gianluca Raro and Fabio Biodpì: between social impact and urban periphery in Scampia

17:25-17:40 BREAK

17:40-18:30

SPECIAL SESSION ALL THE RECENT BOOKS ON COLOR - 1 Chairs: Verena M. Schindler, Yulia A. Griber

Oral:	
Juan Serra	Color for Architects
Ana Torres	Modifications of the visual comfort in residential centers to improve the quality of life for the elderly
Berit Bergström	COLOUR CHOICES A practitioner's guide to creating colour schemes and design
Maria João Durao	'Colour: Urban Space, Architecture and Design'
Paula Csillag	Color Communication: a scientific approach from visual perception

18:30-18:40 BREAK

18:40-19:30

SPECIAL SESSION ALL THE RECENT BOOKS ON COLOR - 2 Chairs: *Verena M. Schindler, Yulia A. Griber*

Oral:	
Yannis Skarpelos	Book: The Uncertain Signs
Jodi Sandford	The Sense of Color: A Cognitive Linguistic Analysis of Color Words
Anadi Martel	Light Therapies - A complete guide to the healing power of light
Verena M. Schindler, Yulia A. Griber	Publications: The International Scientific Conference of the Color Society of Russia