



Colorizing the Horizon: Vision, Culture, and Innovation

Preliminary Program

(updated 19 October 2026)

Overview

Time Slot	5 Nov. Thursday	6 Nov. Friday	7 Nov. Saturday	8 Nov. Sunday
8:30 - 9:00	Free	Registration Open		Cultural Excursion 9:00 – 17:15
9:00 - 10:10		Opening Ceremony + 2 Invited Lectures	2 Invited Lectures	
10:10 - 10:30		Coffee Break	Coffee Break + Poster Session 2 Color Applications 10:10 – 11:20	
10:30 - 11:20		Oral Session 1 Color Across Cultures: Heritage, Perception, and Theory 10:30 – 12:00	Oral Session 3 Color Communication & Education 11:20 – 12:20	
11:20 - 12:20				
12:20 - 13:30		Lunch		
13:30 - 15:00	Workshops 14:30 – 17:00	Oral Session 2 Color Imaging & AI Applications	Oral Session 4 Lighting & Color Vision	
15:00 - 16:30		Coffee Break + Poster Session 1 Color Vision	Coffee Break + Poster Session 3 Color Technology	
16:30 - 17:30	Welcome Reception	2 Invited Lectures	1 Invited Lecture + Closing Remark	Free
18:00 - 21:00	17:00 – 19:00	ACA Board Meeting	Banquet	

Preliminary Program

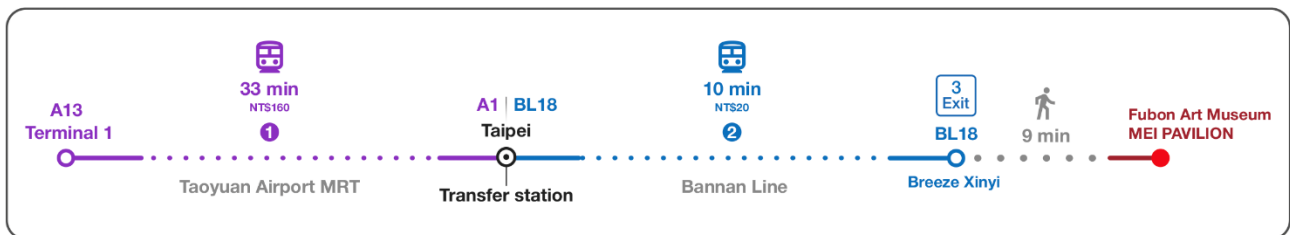
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Transportation

—  45 min
NT\$1700 – 2100



This map shows the route from Taoyuan International Airport to Fubon Art Museum. Please follow the red dotted path, or scan the QR code for a more detailed map.



Taxi Route



MRT route

Venue

To Mei Pavilion of Fubon Art Museum

Take the **Blue Line MRT** to City Hall Station (**BL18**). Walk about 4 minutes to reach the **Mei Pavilion of Fubon Art Museum**.

Address: No. 3, Songyong Road, Xinyi District, Taipei City, 110, Taiwan R.O.C



Invited Lectures (Mei Pavilion)

No.	Date	Time	Title / Speaker
1	6 Nov. (Fri)	9:10 9:40	From Color Perception to Chromatic Awareness: An Asian Framework for Human-Centered Color Research in the Age of AI Tien-Rein Lee <i>President of Color Association of Taiwan (CAT)</i> <i>Prof. Dr. President, Huafun University, Taiwan</i>
2		9:40 10:10	Following the Pigment to Apply Base Color: Techniques of Coloration in Chinese Ancient Paintings Yan-Chiuan He <i>Dr. Chief Curator of the Department of Painting, Calligraphy, Rare Books and Historical Documents (Taiwan)</i>
3		16:30 17:00	Dyslexia, Colour and Learning Vien Cheung <i>Former AIC President</i> <i>Assoc. Prof. Dr. School of Design, University of Leeds (UK)</i>
4		17:00 17:30	Colorfulness Adaptation in Naturalistic Scenes Yoko Mizokami <i>Prof. Dr. Graduate School of Informatics, Chiba University (Japan)</i>
5	7 Nov. (Sat)	9:00 9:30	Color and Shape: A Complex Relationship José Luis Caivano <i>2025 Recipient of the AIC Judd Award</i> <i>Prof. Dr. University of Buenos Aires (Retired)</i> <i>Former AIC President (Argentina)</i>
6		9:30 10:00	Skin Color Measurement Application YungKyung Park <i>Prof. Dr. Division of Design, Ehwa Womans University, Korea (Korea)</i>
7		16:30 17:00	Seeing Beyond Colour: Translational Research in Multispectral Imaging for Cultural Heritage Pichayada Katemake <i>Assoc. Prof. Dr. Dept. of Imaging and Printing Technology,</i> <i>Chulalongkorn University (Thailand)</i>

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Timetable

Oral Sessions

Friday, 6 November 2026, 10:30 – 12:00

Oral Session 1: Color Across Cultures: Pigments, Heritage, Perception, and Theory

No.	Presentation Time (Start)	Paper ID	Paper Title / Authors
1	10:30	19	One Symbol, Three Reds: Pigment Availability and the Formation of Architectural Color in East Asia Wona Lhi, YungKyung Park*
2	10:45	26	Why Red? The Unusual Chromatic Strategy in the Restoration of the Morumbi Chapel, in São Paulo, Brazil Fábio das Neves Donadio*, Leonardo Pestana Collalto Toni
3	11:00	14	Visual Characteristics of Taiwanese Big Catch Flags in Kaohsiung, Taiwan Akiyo Makino*, I-Chih Lee, I-Ning Chen, Wei-Chi Wang
4	11:15	16	A Study on Color Evaluation of Chinese Historic Districts Combining Machine Learning and Multi-Dimensional Perception: A Case of Sun Wen West Road Yixuan Li, Changying Xiang*
5	11:30	13	An NCS-Based Cross-Regional Color Analysis and Affective Evaluation of Elderly-Care Interiors Yiyun Wang
6	11:45	77	Carry van Biema's Nine-Part Color Triangles: Missing Attribution by Josef Albers Resolved Edward R. Charbonneau

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Friday, 6 November 2026, 13:30 – 15:00

Oral Session 2: Color Imaging, and AI Applications

No.	Presentation Time (Start)	Paper ID	Paper Title / Authors
1	13:30	49	Perceptually Weighted K-Means++ Clustering for Optimal Color Palette Selection Po-Sen Huang*, Pei-Li Sun
2	13:45	70	Quantitative Evaluation of Spatial and Color Reproduction in 3D Gaussian Splatting Using S-CIELAB Color Space Norifumi Kawabata
3	14:00	35	Compact Color Reproduction Framework for Reflective E-papers Hung-Shing Chen
4	14:15	68	Colour Preference for Smartphone Cases: Relationships with Personality and Demographic Characteristics Wen-Hsin Cheng*, Li-Chen Ou
5	14:30	76	Feasible Palette: An Interactive Color Planning Dashboard for Creative and Manufacturable Product Design Tsu-Yu Shen, Ya-Hsin Hung and Chien-Hsu Chen*
6	14:45	72	3D Surface Color Measurement via RGB-D Imaging and Virtual Training Data Yu-Xuan Lai, Pei-Li Sun*

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Saturday, 7 November 2026, 11:20 – 12:20

Oral Session 3: Color Communication, and Color Education

No.	Presentation Time (Start)	Paper ID	Paper Title / Authors
1	11:20	29	Structural Analysis of Face-Color Harmony Evaluation: Applicability of the US Color Palette to Japanese Participants Yoshie Enoki*, Yoko Mizokami, Hiromi Sato and Kiminobu Sato
2	11:35	33	Lipstick Shade Names as Cues for Color Association: Differences across Naming Types Jisu Park*, Yungkyung Park
3	11:50	8	Color Theory and Literacy: Reflecting on a Year of Teaching Color Edward R. Charbonneau
4	12:05	64	Comparative Legibility Analysis of Thai Typeface Approaches: Universal Design, Conventional, and Roman-like Fonts Across the Human Visual Spectrum Rachapoom Punsongserm

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Saturday, 7 November 2026, 13:30 – 15:00

Oral Session 4: Lighting, Color Appearance, and Visual Perception

No.	Presentation Time (Start)	Paper ID	Paper Title / Authors
1	13:30	20	From Candlelight to Office Light: How Age Alters What We Prefer Aska King Yan Yeung
2	13:45	59	Effects of Constituent Colors and Their Sequential Order in a Three-Color Light Arrangement on Its Visual Impressions Taiichiro Ishida*, Mayuko Hayakawa
3	14:00	42	Quantifying Lightness Difference through Simultaneous Contrast: A New Framework Beyond the Grey-Scale Method Chih-Yi Wen*, Li-Chen Ou
4	14:15	45	Effects of Lighting Distribution and Gloss Unevenness Perception on Material Identification Masato Daisaki*, Shinichi Inoue, Hiromi Sato, and Yoko Mizokami
5	14:30	43	Psychophysical Evaluation of ΔE_{ITP} Just Noticeable Difference Thresholds on HDR Displays Mu-Tzu Kuo*, Chris Yi-Ho Bai
6	14:45	44	Revisiting the Achromatic Convergence Assumption: A Dichoptic Colour-Matching Study Using CAM15u Min-Yun Liu*, Li-Chen Ou

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Friday, 6 November 2026, 15:00 – 16:30

Poster Session 1: Color Vision, Perception, and Appearance

14 papers

Paper ID Paper Title / Authors	
1	Measurements of Psychological Image of Color Applying the Affect Misattribution Procedure Shinji Nakamura
2	Neural Responses to Crossmodal Harmony Between Colored Light and Fragrance Under Olfactory Adaptation Takuhiro Ito*, Midori Tanaka, Takahiko Horiuchi
9	Perceptual Boundary of Coffee and Chocolate Colors in Visual Memory Phannipha Kraiya, Kitirochana Rattanakasamsuk*, Chanprapha Phuangsuan, Uravis Tangkitviwat
11	Perceptual Boundaries of Red-Pink Colors Associated with Strawberry and Lychee Flavors Supawit Jeelakal, Kitirochana Rattanakasamsuk*, Chanprapha Phuangsuan*, Uravis Tangkitviwat
12	Memory Color of Strawberry and Lychee Flavors Kanlayanut Horma, Kitirochana Rattanakasamsuk, Chanprapha Phuangsuan, Uravis Tangkitviwat
15	Experimental Analysis of Perceived Material Appearance Disparities Across Disparate Displays Minato Amaike*, Midori Tanaka, Takahiko Horiuchi
28	Effects of Color Scheme Type and Number of Colors on Color Memory Accuracy Suha Park, Yungkyung Park*
39	Chromatic and achromatic appearance estimation under various illumination based on CIECAM02 Janejira Mepean, Chanprapha Phuangsuan*, Mitsuo Ikeda, Miyoshi Ayama, Yoko Mizokami
41	Evaluation of Vision Color Differences for Red-Green Color Vision Deficient Observers Chun-Jung Tseng, Hung-Hsu Chen, Hung-Shing Chen*
46	Estimation of Individual Color Matching Functions Using a Two-Alternative Forced-Choice Color Matching Method Kyosuke Nakata, Gosuke Ohashi, Tomonori Tashiro*
58	Effects of Reference Chromaticity on RGB and Derived LMS Color-Matching Functions Measured Using the Maxwell Method Fumika Osumi*, Yasuki Yamauchi
60	Perceptual Evaluation of Model-Based Color-Matching Functions Using Color Reproduction Experiments Maya Mitsuoka*, Yuto Koyanagi, Takaya Tanaka, Yasuki Yamauchi
61	Effects of Temporal Frequency on the Pupil Light Reflex to Cone and Melanopsin Stimulation Mine Ikeuchi, Mizuki Takikawa, Sei-ichi Tsujimura*
62	Time-course Analysis and Modeling of Brightness Change in Head-up Display based on Ambient Light Variation Li-Yun Liu, Po-Hsin Yang, Hung-Chung Li*

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Saturday, 7 November 2026, 10:10 – 11:20

Poster Session 2: Color Applications

10 papers

Paper ID	Paper Title / Authors
10	Color Standards in City Planning and Store Facade Design Changes: Analysis of the Psychological Effects of Design Change Methods Recommended in Each Landscape Planning Toshiharu Terashima*, Masayuki Harada, Takashi Hanari
18	Color and Gender in Young Children's Free Drawings Gender Judgments by Childcare College Students and General College Students (2) : Effects of Removing Color Information Yukiko Shimada
24	Effects of Color Selection and Design on Subjective Physical Condition and Mood in Coloring Tasks with Concrete Designs Terumi Konno*, Kenji Hirose, Yasuhiro Kawabata
31	People's Ideal Self-Image and Their Impressions of Color Akira Asano*, Miyu Kuramoto, Chie Muraki Asano
34	Perceptual Boundaries of Black-Brown Colors Associated with Chocolate and Coffee Flavors Apisit Udthong, Kitirochana Rattanakasamsuk*, Chanprapha Phuangsuwan, Uravis Tangkitviwat
38	Visual Structure and Whole-Garment Color Composition of Ainu Attus: A Comparative Analysis of Examples from Hokkaido and Sakhalin Chie Muraki Asano
67	Effects of Nail Polish Color on the Perceived Skin Brightness of Different Thai Skin Tones Chanprapha Phuangsuwan*, Thanakorn Amata, Janjira Mepean, Mitsuo Ikeda
75	Awareness-Based Color Creation in Buddhist Art: A Case Study of Hui-Fen Chen Hui-Fen Chen, Tien-Rein Lee*
78	Packaging Colour Semantics of Gender-Neutral Design: A Kansei Study in Taiwan and Thailand Muthita Wongngan, Tsuei-Ju Hsieh*
79	The Certified Color Planning and Management Specialist Exam in Taiwan: Eight Years Later Pei-Li Sun*, Hung-Shing Chen, Wen-Yuan Lee, Tsuei-Ju Hsieh, Yuh-Chang Wei, Tien-Rein Lee

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Saturday, 7 November 2026, 15:00 – 16:30

Poster Session 3: Color Technology

14 papers

Paper ID	Paper Title / Author
4	Perceptual Collation Method for Color Images Integrating DISTS and Color Difference Yota Makie*, Midori Tanaka, Shoko Imaizumi, Takahiko Horiuchi
6	Experimental Investigation of Image Reproduction Factors Influencing the Perceived Transparency of Real Objects Yasuhide Sato*, Midori Tanaka, Takahiko Horiuchi
21	Exploring Emotional Resonance: A Theoretical Framework for User Interaction with Color Temperature in Interactive LiDAR-Based Installations Aska King Yan Yeung
25	A Study on Color Fidelity in Generative Media: Color Drift in Iterative AI Image-to-Video Generation Hyejin Han*, Ji Won Kim
36	Simulation framework of Image Color Appearances for Reflective E-paper Yu-Fen Dai, Hung-Shing Chen*
48	A Field Image Survey for Flower Color Classification of Phalaenopsis Chen-Yu Yuan, Yi-Xin Lin, Tzung-Han Lin*
50	Development of a Fire Detection System using Deep Learning on Edge Devices for Resource Constrained Environments Letizia Candia Villalba, Celina Violeta Torres Silva, Shang-Yu Chou, Tzung-Han Lin*
51	Ambient Dimming and Image Enhancement Parameters for AR Smart Glasses Under Difference Background Luminance Levels Yi-Hsuan Hung, I-Chi Wu and Pei-Li Sun*
53	Evaluation of the Potential of ZIF-8 as a Metamerism-Based Lighting Indicator Yu-Hsuan Kao, Chang-Mou Wu, Yun-Hao Hsu, Hung-Shing Chen*
56	Visual Incongruity in Indoor Scenes: From Human Perception to Automated Distractor Detection Yu-Shan Chou, Wei-Zhan Liang, Pei-Li Sun*
57	Color Constancy and Categorization in Humans and Natural-Image-Trained Models Kaichi Hatori*, Hiromi Sato, Hiroshi Kera, Yoko Mizokami
71	Color Simulation Conducted into AI-Generated Calligraphic Characters on Hot Foil Products Ting-Yueh Chun, You-Chen Lin*
73	Organic Binder Degradation and the Chronological Assessment of Painted Restorations: A Hypothesis Based on Non-Invasive Spectroscopy Albert C. Wu
74	Generative AI-Based Approach for Pattern Design in Tile Materials Kang-Yu Liu*, Zhon-Yu Chen, Chia-Pin Chueh, Sung-Yu Tsai

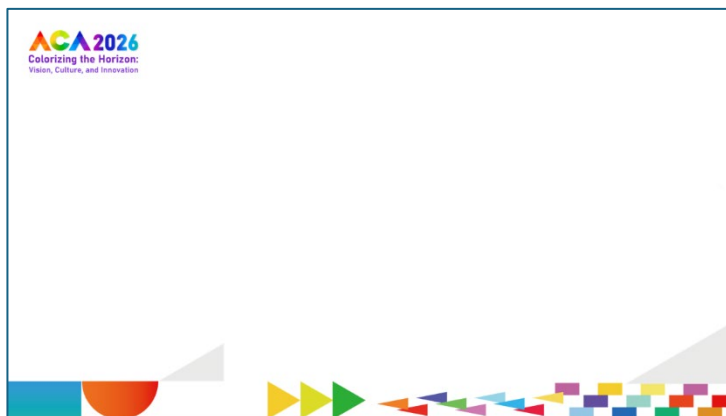
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Guidelines for Oral Presentation

The oral session will be held on Nov 6-7, 2026 (UTC+8, Taipei time) at the venue. Oral presenters should prepare a maximum of **15-minute talk (12min + 3min Q&A)**.

- Please check the ACA 2026 timetable, find your paper ID, and presentation time from the following site: <https://www.aca2026.taipei/program>
- Papers must be presented in English.
- Presentations can be made using PowerPoint, a PDF, or similar software.
- Please bring your presentation on a USB flash drive and use the laptop provided by the conference, or bring your own laptop. Please ensure that your laptop has an HDMI-compatible connection.
- Please standby 15 min before the session. Introduce yourself to the session chairs.
- Please use the **MS PowerPoint** [oral template](#) provided by the conference as much as possible when preparing your slides.

Thank you for your cooperation, and we are looking forward to meeting with you during the conference.



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Workshops

“Believe It or Not—Color Experience” Workshops

On 5 November 2026, ACA 2026 registration will take place at Mei Pavilion, Fubon Art Museum, from **2:30 p.m. to 5:00 p.m.**

During the registration period, participants are warmly invited to join our special experiential program:

“Believe It or Not—Color Experience Activities”

1. EEG Measurement and Color Selection

Explore your personal traits through EEG measurement and color selection. This activity offers suggestions for colors that may help reinforce your strengths, create balance, and complement areas for personal growth.

2. Life Path Numbers and Color Applications

Through an exploration of Life Path Numbers, participants will gain insight into personality tendencies and color preferences. The workshop will suggest suitable empowering and complementary colors to help express natural talents and strengthen areas of development.

3. Color Discrimination Test

Through a carefully sequenced arrangement of subtle color variations, this test will help you assess your level of color discrimination ability.

All three workshops are free and open for registration. We warmly welcome all participants to join and enjoy this unique color experience.

Please fill in the [Google Forms](#) for registration.

Cultural Excursion

Ceramics, Contemporary Art and the Cultural Landscape of Yingge

We are delighted to invite our overseas participants to join a special post-conference cultural excursion in New Taipei City.

This one-day visit brings together Taiwan's ceramic heritage, contemporary art, local cuisine, and the distinctive cultural landscape of Yingge. It is designed as a relaxed opportunity to continue conversations with colleagues while experiencing how craft, material, color, design, and contemporary creativity meet in Taiwan.

Date: Tuesday, 8 November 2026

Meeting point: Near Sun Yat-sen Memorial Hall, Taipei (Map will be provided)

Fee: Complimentary for all international ACA 2026 participants

Registration: Advance registration is required, as places are limited and transport must be arranged in advance.

Program

08:30–09:00

Meet, registration and boarding near Sun Yat-sen Memorial Hall

09:00–10:15

Coach transfer to Yingge, New Taipei City

A short introduction to Yingge's ceramic culture and its connection with color, material, and design will be provided during the journey.

10:15–11:45

Visit to the Yingge Ceramics Museum

Guided visit and free exploration of the museum, introducing Taiwan's ceramic traditions and contemporary ceramic arts.

12:00–13:15

Welcome lunch in Yingge

Participants will enjoy a Taiwanese group lunch at a local restaurant.

13:15–13:30

Transfer to the New Taipei City Art Museum

13:30–15:30

Visit to the New Taipei City Art Museum

Guided or self-guided viewing of current exhibitions, followed by time to experience the museum's architecture and surrounding landscape.

15:30–16:00

Coffee, informal exchange and ACA group photograph

16:00–17:15

Return by coach to the Sun Yat-sen Memorial Hall area, Taipei

The excursion is offered free of charge to our international participants, including transportation, museum admission, guided visits, and lunch. Participants are kindly asked to register in advance and indicate any dietary requirements, accessibility needs, or luggage arrangements.

We warmly welcome you to join us for this memorable cultural extension of ACA 2026.



Please fill in the [Google Forms](#) for registration.

ACA 2026 Organizing Committee

Colorizing the Horizon