

## Oral Papers

### 08:30-10:30 / Halla A Hall

#### OS01: Art & Culture I

*Chairs: TBD*

- OS01-1 A Study of the Descriptive Color Word in the Chinese Tradition: Yellow's Case  
*Hsueh-Fen Lin, Shu-Ping Feng*
- OS01-2 Soleil de minuit – the Spectral Design of 14 Glass Panels for the Montréal Metro  
*Adrien Gary Lucca*
- OS01-3 A Study on Modern Art Expression of Cheeloo Colored Glaze  
*Li Liu*
- OS01-4 Digital Restoration of Van Gogh's Painting Field with Irises near Arles  
*Eric Kirchner, Ivo van der Lans, Frank Ligterink, Muriel Geldof, Art Ness Proano Gaibor, Ella Hendriks, Koen Janssens, John Delaney*
- OS01-5 Designing symbol color for regional revitalization - A study of black in Kagoshima -  
*Akiyo Makino*
- OS01-6 Wabi and Sabi as the Background of Japanese Color Aesthetics: Pursuing the Special Qualities of Japan's Color Sensibility  
*Kohji Yoshimura, Yuko Yamada, Stephen Shrader*
- OS01-7 Improving Color Fidelity of Heritage Digital Copies through Representative Samples  
*Changyu Diao, Hong He, Jinjin Mao, Zhemin Chen*
- OS01-8 How a 6-band LED and RGB Camera based Multispectral Imaging System Performed in COSCH Round-Robin Test  
*Raju Shrestha*

### 08:30-10:30 / Halla B Hall

#### OS02: Design & Communication I

*Chairs: TBD*

- OS02-1,2 (Invited) Creating the viewing experience of color in design practice  
*Hyeon-Jeong Suk*
- OS02-3 The Distribution of Color Tones in CIELAB Space  
*Huang Yu-Wen, Lee Wen-Yuan*
- OS02-4 Color Appearance in Oriental Minimalist Product Design  
*YI JU CHEN, CHING LIANG WANG*
- OS02-5 Gender and Cultural Effects on Consumer Colour-Purchase Decisions  
*Luwen Yu, Stephen Westland, Xinxiong Liu*

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- OS02-6 Comparison of Automotive Exterior Coating in Europe, Japan and South Korea according to Color and Texture Distribution by Gonio-photometric  
*Masayuki Osumi*
- OS02-7 Colours in Signage Typography – Commercial Street, Bangalore  
*Narayanan Krishnaswamy*
- OS02-8 Suggesting Improvement for the Provision of Transport Information: A Design Perspective  
*Gyeonghwa Lee, Stephen Westland, Bryan Matthews, Vien Cheung*

### 08:30-10:30 / Samda Hall

#### OS03: Environment & Architecture I

*Chairs: TBD*

- OS03-1 Developing a Method for Generating Colour Palette from Landscape Images  
*Jie Yang, Stephen Westland, Kaida Xiao*
- OS03-2 The Effect of Microorganisms Drench on the Leaf Color of Golf Course Grass –Targeting Jeju Ecoland-  
*JongHwan Song, Misuk Lee, SeongHee Moon, YooSun Kim, SangEun Shin*
- OS03-3 A Comparative Study on the Color Planning of Landscape planning in South Korea  
*MINJUNG Seo*
- OS03-4 Studies on Color in Residential Architecture for the Elderly  
*Ana Torres Barchino, Juan Serra Lluch, Jorge Llopis Verdú, Anna Delcampo Carda*
- OS03-5 Smart Cities colors: the new inteligente cities in Asia and the new inteligente cities in Europe. Why are they diferent in theirs colors in the architectural color design?  
*Ana Claudia Oliveira*
- OS03-6 An Analysis of the Scandinavian Colour Scales as a Tool in Colour Design  
*Berit Bergström*

### Opening Ceremony & Keynote Speech I

#### 10:50-12:30 / Tamra A Hall

**Keynote Speech I: Suro Hwang, Institute of Korean Royal Silk Flower**

*Chairs: TBD*

## Poster Papers

13:30-15:10 / Lobby, 3F

**PS01: Art, Culture, Design, Communication, Environment**

*Chairs: TBD*

## Oral Papers

15:10-17:10 / Halla A Hall

**OS04: Art & Culture II**

*Chairs: TBD*

OS04-1 Spectral Image Reconstruction of Chinese Ink and Wash Painting Based on Self-training with Multispectral Imaging

*Peng Xu, Jueqin Qiu, Haisong Xu, Zhengnan Ye*

OS04-2 A Study on Hangul and Obangjeongsack that appear on Hunminjeongeum

*EunBae Moon*

OS04-3 Colour Culture: An Introduction

*Johnny Jie Xu, Xueqing Zhang*

OS04-4 From White to Magenta

*Ana Marija Grancaric, Martinia Ira Glogar, Lea Botteri*

OS04-5 Investigating Cultural Differences In Colour-Word Associations Using Internet Image Search

*Yun Chen, Stephen Westland, Qianqian an, Luwen Yu, Jie Yang*

OS04-6 Color and its relation to the female figure in the cinema

*Pedro Felipe Pinho Souza, Anna Paula Silva Gouveia*

OS04-7 Using color-coding method to teach music for children

*Yi-Ting Kuo*

OS04-8 The Pursuit of Perceived Density found in Colors Favored by Japan

*Hyunjung Kim, Sungmi Oh*

15:10-17:10 / Halla B Hall

**OS05: Design & Communication II**

*Chairs: TBD*

OS05-1,2 (Invited) 2018-2019 Color & Material Trend

*Se-Lee Lee*

OS05-3 Differences in Color Naming between British and American English Speakers

*Dimitris Mylonas, Lindsay W MacDonald, Lewis D Griffin*

- OS05-4 Gender Differences in Russian Colour Naming  
*Yulia A. Griber, Galina V. Paramei, Dimitris Mylonas*
- OS05-5 Colours as Trademarks – Clarification and Limitations  
*Paul Green-Armytage*
- OS05-6 Turkish Colour Naming on the Net  
*Begüm Ulusoy, Lewis D. Griffin, Dimitris Mylonas*
- OS05-7 Miss Elodie Chandernagor  
*Elodie Chandernagor*
- OS05-8 Colour Influence of Input Button on User's Pressing Motivation, Visual Attraction, and Preference - Analysis Using Paired Comparison  
*Yoshikazu Mizutani, Saori Kitaguchi, Tetsuya Sato*

### 15:10-17:10 / Samda Hall

#### OS06: Environment & Architecture II

*Chairs: TBD*

- OS06-1 Methodology for Color Planning in Urban Furniture – Laje, a case study  
*Margarida Maria Gamito, Joana Ribeiro Sousa*
- OS06-2 Urban Color Expressing the Spirit of the City by Chinese color system  
*Jinghong WANG*
- OS06-3 Environmental Colour Design: A Survey on Colour in Urbanism and Architecture  
*Verena M Schindler*
- OS06-4 Urban Color Assessment Based on Spatial Perceive: A Case Study on Changzhou Xinbei District  
*Jiangbo Wang, Aiping Gou*
- OS06-5 Can Color be a Bridge of Modern and Tradition --A Practice on Changzhou Xinbei Urban Color Plan  
*Aiping Gou, Jiangbo Wang*
- OS06-6 Romanian Urban Collage: Colour-Architecture-Politics  
*Veronica Maria Zybaczynski*
- OS06-7 Colour Studies in the Urban Environment: Reviews, Summaries and Challenges  
*Beichen Yu*

## Keynote Speech II

09:00-10:00 / Halla A Hall

**Keynote Speech II: TBD**

*Chairs: TBD*

## Oral Papers

10:20-12:20 / Halla A Hall

**OS07: Science & Technology I**

*Chairs: TBD*

OS07-1 Verification of MacAdam Data

*Jing Liang, Ronnier Luo, Maria Georgoula, Gui hua Cui*

OS07-2 A Colour Rendering Index for Dichromats

*Brian Funt, Hamid Mirzaei, Xiandou Zhang*

OS07-3 Image quality evaluation based on Sigmoid function by the modified Color Distribution Index (mCDI)

*Hou-Chi Chiang, Yuan Ouyang, Jyun-Wei Jhuang, Ting-Wei Huang, Yung-Jhe Yan, Mang Ou-Yang*

OS07-4 Fast Segmentation-based Tone Mapping Operator

*jakkarin singnoo*

OS07-5 BRDF Measurement and Color Appearance Simulation based on iccMAX Framework

*Wei-Chun Hung, Pei-Li Sun*

OS07-6 Colour Vision Properties of Surface Colours based on complementary Optimal Colours

*Klaus Richter*

OS07-7 A new uniform colour space for comprehensive image applications

*Ming Ronnier Luo, Muhammad Safdar, Youn Jin Kim, Guihua Cui*

OS07-8 Preliminary Examination for Colorimetry of Removed & Re-transfused Blood and Skin of Hemodialysis Patients

*Yuki Akizuki, Futoshi Ohyama, Tomomi Iizuka, Tomoko Kutsuzawa*

10:20-12:20 / Halla B Hall

**OS08: Environment & Architecture III**

*Chairs: TBD*

OS08-1 Teaching Color

*Esther Hagenlocher*

OS08-2 Space | Color | Light - Teaching Color in Interior Architectural Design

*Ralf Weber*

- OS08-3 Investigating colour in interior design education: an observational study about colour in the first design stages  
*Douha Attiah, Abeer Alawad, Vien Cheung*
- OS08-4 The Implication of Interpretive Inquiry for Empirical Studies on Color Meaning: A Symbolic Interactionist Approach to Color Perception in Healthcare  
*Jain Kwon*
- OS08-5 Research about preference of wallpaper in Japan and a Korean girl student  
*Tomoko Obama, Nobuhoshi Kanai*
- OS08-6 Why is History Related Colour Design so Complicated? The Factors Governing Colour Experience in a Historical Cityscape  
*Kati Winterhalter*
- OS08-7 Color Characteristics Analysis for the Color Development of Architectural Color Guide  
*Min-Gi Kim, Joong-Ho Hwang, Na-Ra Kim, Hyo-Sun Choi, You-Jin Choi, Eun-Hee Han*

### 10:20-12:35 / Samda Hall

#### OS09: Color Application

*Chairs: TBD*

- OS09-1 Colour Harmony in Clothing, Skin Tones and Hair Colours for Applications of Online Shopping  
*I-Han Liu, Li-Chen Ou*
- OS09-2 Developing a model for predicting whiteness of human face  
*Binghao Zhao, Qianqian Pan, Zhifeng Wang, Yang Xu, Changjun Li, Stephen Westland, Kaida Xiao*
- OS09-3 Development of a Skin Color Evaluation Method Based on Hyperspectral Imaging Using Erythema and Melanin Indices  
*Mamiko Kikuchi, Takanori Igarashi, Hirayuki Sato, Tsutomu Fujimura*
- OS09-4 Investigation of facial attractiveness using a facial image database  
*Binghao Zhao, Qianqian Pan, Yang Xu, Zhifeng Wang, Changjun Li, Stephen Westland, Kaida Xiao*
- OS09-5 The Impact of Skin Colour on Facial Impressions  
*Ming Ronnier Luo, Mengmeng Wang, Kaida Xiao*
- OS09-6 Influence of Knowledge about Clothes and Sensation Modalities on Texture Evaluation of Beige Textile  
*Tomoharu Ishikawa, Junki Tsunetou, Mutsumi Yanaka, Yoshiko Yanagida, Kazuya Sasaki, Miyoshi Ayama*
- OS09-7 The Relationship between the Scenario of Wedding Party and Wear Color  
*Hung Ruei-Ju, Sato Tetsuya, Lee Wen-Yuan*
- OS09-8 Colour application comparison between luxurious and retail brand's window displays  
*Douha Attiah, Hye-Won Lim*
- OS09-9 Description of The History of Chanel Lipstick Colour Through An Analysis Of Colour Charts  
*Helene De Clermont-gallerande, Nicolas Rolland, Patrick Doucet, Julie Deydier, Anne Varichon, Barbara Blin-barrois*

**Workshop**

**13:10-15:10 / Halla A Hall**

**WS02: Education, Health**

*Chairs: TBD*

**Poster Papers**

**13:30-15:10 / Lobby, 3F**

**PS02: Education, Health, Architecture, Application**

*Chairs: TBD*

**Study Group**

**15:10-17:10**

**Detailed Program: TBD**

*Chairs: TBD*

## Oral Papers

### 09:00-10:30 / Halla A Hall

#### OS10: Science & Technology II

*Chairs: TBD*

OS10-1,2 (Invited) Image Quality Assessment on Mobile Devices

*Haisong Xu*

OS10-3 Improving Color Reproduction Accuracy and Color Gamut of Mobile Displays

*Eric Kirchner, Ivo van der Lans, Esther Perales, Francisco Martínez-Verdú*

OS10-4 Rendering Color to Obtain Preferred Image Effects on Wide Gamut Displays

*Rui Gong, Xiandou Zhang, Qing Wang*

OS10-5 How to Extend a Colour Range and Keeping the Logic, Consistency and Accuracy

*Per Jutterstrom*

OS10-6 Camera Color Accuracy Evaluated via Metamer Mismatch Moments

*Emitis Roshan, Brian Funt, Hamidreza Mirzaei*

OS10-7 Evaluation of Color Difference Based on EEG

*Yaowu LIU, Guihua CUI, Jinjin CHU, Xiukai RUAN, Yaoju Zhang, Luoluo Jiang, Changjun Li, Min Huang, Manuel MELGOSA, Ming Ronnier LUO*

OS10-8 Study of Chromatic Adaptation via a Memory Colour Matching Method

*Qiyan Zhai, Kevin A. G. Smet, Peter Hanselaer, Ming Ronnier Luo*

### 09:00-10:30 / Halla B Hall

#### OS11: Environment & Architecture IV

*Chairs: TBD*

OS11-1 The Color of Aalto's White Walls

*Virginia Cartwright*

OS11-2 Interior design color harmony experience through adjusted split-complementary color theory application

*Joy Jee Yoon Lim*

OS11-3 The Adjustment of Color-Tunable LED Lighting for Residential Applications

*Yandan Lin, Minchen Wei, Dandan Hou, Zixin Weng, Yan Lu*

OS11-4 The Effect of Microbial Treatment on the Color of Foliage Plant *Aglaonema* Growing in a Room with a Small Amount of Light

*YooSun Kim, SangEun Shin*

OS11-5 Determination of chromium in water by using digital imaging and considering the Von Kries chromatic adaptation in RGB and HSV color spaces

*Mohsen Panjeali, Saeideh Gorji Kandi, Farhad Panahi*

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- OS11-6 The study of Phycoerythrin as natural pink protein  
*Sang Hyun Moh, Chi-Hu Park, Hyein Kim, Seung Hwan Ryu, Choonhee Yoon, Jiyeon Kim, Hyo Hyun Seo, Jeong Hun Lee, Atul Kulkarni, Young Jun Kim*
- OS11-7 Red on Red.  
*Esther Hagenlocher, Landry Smith*
- OS11-8 The Social Value of Color  
*Jin Hee Lee, Maasimo Caiazzo*

## 09:00-10:30 / Samda Hall

### OS12: Color & Health I

*Chairs: TBD*

- OS12-1,2 (Invited) Colour in Employment: A New Colour Grading System with Applications in Healthcare and Visually-Demanding Occupations  
*John Barbur*
- OS12-3 Investigation of Interface Color Cognition on Health Industrial Websites  
*Shu-Ping Feng, Hsueh-Fen Lin*
- OS12-4 Color as design elements for healthcare websites  
*Hye Jeong Park, Sunghyun Ryoo Kang*
- OS12-5 Color vision in normal eyes, diseased eyes and operated eyes  
*Kazim Hilmi OR*
- OS12-6 Color Change Analysis for Measuring Capillary Refilling Time  
*Masayoshi Shinozaki, Toshiya Nakaguchi, Takaaki Nakada, Hideaki Haneishi, Shigeto Oda*
- OS12-7 Does Illumination Affect Mobility of People with Low Vision?  
*Anukul Radsamrong, Pichayada Katemake, Éric Dinet, Alain Trémeau*
- OS12-8 Forensic aspect of color: Color perception of eye witnesses  
*Kazim Hilmi Or*

## Oral Papers

### 10:50-12:20 / Halla A Hall

### OS13: Science & Technology III

*Chairs: TBD*

- OS13-1,2 (Invited) Melanopsin and Colour Vision  
*Linsay MacDonald*
- OS13-3 Tetra-chromatic super vision model: what's Peking robin seeing?  
*Hiroaki Kotera*
- OS13-4 New Models of Colour Appearance Scales: Saturation, Vividness, Blackness and Whiteness

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*Yoon Ji Cho, M Ronnier Luo, Li-Chen Ou, Guihua Cui, Kwanghoon Sohn*

OS13-5 Influences on the Observer Variability with Different Viewing Conditions

*Min Huang, Ruili He, Chunjie Shi, Yu Liu, Guihua Cui, Haoxue Liu, Ming Ronnier Luo, Manuel MELGOSA*

OS13-6 When are High Dynamic Range Imaging Reproductions Aesthetically Preferable to Colorimetric Accurate Images?

*Keith Derek Martin Findlater, Stephen Westland*

OS13-7 International comparison of ageing effects on color similarity

*Nana Itoh, Ken Sagawa*

## 10:50-12:20 / Halla B Hall

### OS14: Psychology & Education I

*Chairs: TBD*

OS14-1,2 (Invited) The Possibilities and Limitations of the Psycho-behavioral Effects of Color

*Shin'ya Takahashi*

OS14-3 On the Differences of "+ Color" and "Color +" in Design Thinking

*jianming song*

OS14-4 Factors Affecting Unique Hue Stimuli Selections Using Object Colors

*Renzo Shamey, Muhammad Zubair, Rolf G Kuehni*

OS14-5 A Cross-Cultural Study of Colour Emotion and Colour Harmony

*Li-Chen Ou, Yinqiu Yuan, Sato Tetsuya, Wen-Yuan Lee, Ferenc Szabó, Suchitra Sueeprasan, Rafael Huertas*

## 10:50-12:20 / Samda Hall

### OS15: Color & Health II

*Chairs: TBD*

OS15-1,2 (Invited) Colour for Health: Update on the Latest Developments in Light Therapy

*Anadi Martel*

OS15-3 Reading on Tablet: Effect of Background on Visual Fatigue

*Suchitra Sueeprasan, Praewpan Youyen, Tetsuya Sato*

OS15-4 Preliminary study on evaluation of legibility and visual fatigue against luminescent text display based on physiological information

*Daiki SAITO, Keiichi WATANUKI, Keiichi MURAMATSU, Kazunori KAEDE, Masutsugu TASAKI, Takashi KANAHIRA, Eiji ISHIGURO, Naoya Mashiko*

OS15-5 Preliminary Study on Estimating Legibility and Visual Fatigue Against LED

*Kenji TAJIMA, Tomohiro NISHIKAWA, Daiki SAITO, Keiichi WATANUKI, Keiichi MURAMATSU, Kazunori KAEDE, Masutsugu TASAKI, Takashi KANAHIRA, Eiji ISHIGURO, Naoya Mashiko*

OS15-6 Impression and Clarity of Bathroom Lighting

*Suchitra Sueeprasan, Natchanun Ekpothor, Roongnapa Sakonkharuehadet, Warisa Ouimak*

## Award Lecture I

09:00-09:45 / Halla A Hall

Judd Award : TBD

Chairs: TBD

## Oral Papers

10:05-12:05 / Halla A Hall

OS16: Science & Technology IV

Chairs: TBD

OS16-1,2 (Invited) Applications of CIE2015 Cone-Fundamental Based Colorimetry

*Hirohisa Yaguchi*

OS16-3 Comparison of Object-Color and Illuminant Metamerism for Digital Image Color Correction

*Jueqin Qiu, Haisong Xu, Peng Xu*

OS16-4 Root-Polynomial Color Homography Color Correction

*Han Gong, Graham D. Finlayson*

OS16-5 Colour Correction Toolbox

*Fufu Fang, Han Gong, Michal Mackiewicz, Graham Finlayson*

OS16-6 Maximum Ignorance Polynomial Colour Correction

*Fufu Fang, Graham Finlayson*

OS16-7 Color Transfer for Harmony with a Target Color

*Eunjin Kim, Hyeon-Jeong Suk*

OS16-8 Coloured Shadows - Why They Can Be Photographed

*Cecilia Sik-Lanyi, Veronika Szücs, Robert Hirschler*

10:05-12:05 / Halla B Hall

OS17: Color & Health III

Chairs: TBD

OS17-1,2 (Invited) A Modern Approach to Health in Conventional Chinese Color Thought

*Tien Rein Lee*

OS17-3 What are the colours of Health and Sickness?

*Ivar Jung, Yulia A. Griber, Jeannette Hanenburg*

OS17-4 The Importance of Colour in Human Life

*Edda Mally, Jin Hee Lee*

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- OS17-5 Consciousness and Preference on Healthcare Color Environment by Generation  
*Heykyung Park*
- OS17-6 Colour Profiling - A Blueprint for Health and Wellbeing  
*Mark Wentworth*
- OS17-7 Evaluation of the alerting effects of short-wavelength (blue) and broadband wavelength (green) lights on human during late evening using EEG  
*Jing Lin, Stephen Westland*

### 10:05-12:05 / Samda Hall

#### OS18: Color & Light I

*Chairs: TBD*

- OS18-1,2 (Invited) Regulating Artificial Light at Night for Protecting Health and Sustainability in South Korea  
*Jeong-Tai Kim*
- OS18-3 Modelling Atmosphere Perceptions of Dynamic Coloured Lightings  
*Qiyang Zhai, Bing Li, J. B. Hutchings, Fangtian Ying, Ming Ronnier Luo*
- OS18-4 Effect of Duv on Color Rendering Properties of Light Sources  
*Fuzheng Zhang, Haisong Xu*
- OS18-5 Lighting Ambient Effect on Saturation of Durian and Sensation  
*Supawadee Theerathamkorn, Aran Hansuebsai, Yasushi Hoshino*
- OS18-6 Analysis on Color Break-Up Effect of Time-Modulated Full Color LED Lighting during Saccadic Eye Movement  
*Deok-Weon Song, HyeRan Kang, JeongHun Kim, Ji-Hwan Lee, Chan-Su Lee*
- OS18-7 Mutual Illumination and Color Constancy  
*Pichayda Katemake, Rada Deeb, Damien Muselet, Mathieu Hebert, Alain Trémeau*
- OS18-8 Light on Paper – Study on Origami and Shadows  
*Sara Antunes Costa, Mario S. Ming Kong*

### Poster Papers

#### 13:30-15:10 / Lobby, 3F

#### PS03: Psychology, Light, Science & Technology

*Chairs: TBD*

## Oral Papers

### 15:10-17:10 / Halla A Hall

#### OS19: Science & Technology V

*Chairs: TBD*

- OS19-1 The Importance of Lightness in Perceived Color Difference of Black Yarns  
*Razieh Jafari, Mahdi Safi*
- OS19-2 Color Measurement and Image Simulation of Dyes and Pigments Aged by Sunlight  
*Atsushi Moriwaki, Katsunori Okajima*
- OS19-3 Cosmetic Surgery Simulations-based Preference Study  
*Muhammad Farhan Mughal, Mengmeng Wang, Ming Ronnier Luo*
- OS19-4 Analysis of Relationship between Hair Colors and Personalities of Character Illustrations and Its Application  
*Motonori Doi, Hideki Sakai, Masashi Komori*
- OS19-5 Matching Reference Colours in 3D Reproduction of Fine-art Paintings  
*Lindsay MacDonald, Mike Jackson*
- OS19-6 The dependency of color constancy of a paint film to the initial paints  
*Bita Fotovat, Saeideh Gorji Kandi*
- OS19-7 Image Clarity-New Technology to Perfect Optical Properties of Surfaces  
*Hideo Kita, Shigeo Suga, Satoshi Tanaka, Jack A. Ladoson*

### 15:10-17:10 / Halla B Hall

#### OS20: Psychology & Education II

*Chairs: TBD*

- OS20-1 Description of Three-Color Combination Preferences, their Reasons, and Features: To Create a Visual Color Design Aid  
*Kiwamu Maki*
- OS20-2 Assessing the Performance of Quest Algorithms in Visual Experiments for Blur Discrimination Thresholds  
*Yuan Yue, Huang Qing Mei, Jiang Yan Li*
- OS20-3 Color Teaching aids in Chinese contemporary institutions: Design, production and promotion  
*yuhang Jing*
- OS20-4 Gray Color Sensibility Image and Preference in Textile  
*YuJin Choi, YounJin Lee*
- OS20-5 Knowing the City Through the Game of Color  
*Samira Kadamani, Sebastian Camilo Cabal*
- OS20-6 Influence to Visual Attractiveness of 3 x 3 Entire Pattern by Positions of Two Colored Panels  
*Keizo Shinomori, Ryota Nakaya, Ippei Negishi*

**14:55-17:10 / Samda Hall**

**OS21: Color & Light II**

*Chairs: TBD*

OS21-1,2 (Invited) CIE Research Strategy – Future of Color Quality Metrics for Lighting

*Yoshihiro Ohno*

OS21-3 Phosphor-Converted Light-Emitting Diodes of Preferential Color Properties

*Akvilė Zabiliūtė-Karaliūnė, Henrikas Dapkus, Pranciškus Vitta, Andrius Petrulis, Artūras Žukauskas*

OS21-4 The Modeling of the comfort for LED Interior Lighting Based on The Chromaticity Coordinates

*Qing Wang, Haisong Xu, Rui Gong, Fenghua Li*

OS21-5 IoT & Python based Measurement and Analysis of Lighting Color temperature and Illuminance for Human-centric Lighting Control

*Youjin Kim, Hyunseok Kim, Jihun Jeon, Tae Gyu Kang*

OS21-6 How the Colour Fidelity and Gamut of Lightings Affect the Preference of Paintings?

*Qiyang Zhai, Ming Ronnier Luo, Ching-Ju Chou, Hung-Shing Chen*

OS21-7 Chromatic and spectral quality of lighting for self-dependent elderly people well-being: a case study

*Maurizio Rossi, Daria Casciani, Fulvio Musante*

OS21-8 Effect of Illuminance and Colour of Light Source on Assessing Tooth Whiteness

*Qianqian Pan, Stephen Westland*

OS21-9 Preferable lighting conditions for migraineurs and non-migraineurs in working spaces

*Akari Kagimoto, Katsunori Okajima, Shino Okuda, Muneto Tatsumoto, Koichi Hirata*

## Award Lecture II

09:00-09:45 / Halla A Hall

Design Award : TBD

Chairs: TBD

## Oral Papers

10:05-12:05 / Halla A Hall

OS22: Science & Technology VI

Chairs: TBD

- OS22-1 Evaluation of Whiteness Formulas for FWA and Non-FWA Whites  
*Yuzhao Wang, Minchen Wei, Ming Ronnier Luo*
- OS22-2 Characterization of whiteness appearance for FWA-enhanced white  
*Ming Ronnier Luo, Yuzhao Wang, Shining Ma, Minchen Wei*
- OS22-3 Application of Colour Histogram of Feature Segmentation to Modelling og Glints in Metallic Coatings  
*Min-Ho Jung, Vien Chung, Peter A Rhodes*
- OS22-4 Investigation of the Simultaneous Colour Contrast Effect  
*Yuechen Zhu, Qiyan Zhai, Ming Ronnier Luo*
- OS22-5 Investigation of Flop Index by Variation in Size of Aluminum Flake and its Relation with the Surface Texture Quantified by Edge Frequency Method  
*Sakineh Amookht, Saeideh Gorji Kandi*
- OS22-6 Perception of Metallic Materials by Projecting Solid Color on Nonmetallic Materials  
*Midori Tanaka, Takahiko Horiuchi*
- OS22-7 Multi-angle Reflectance Setup (MARS) for Characterizing Goniochromatic Materials and Sparkle  
*Nina Basic, Florian Stuker, Peter Blattner*
- OS22-8 Comparison on 1/1 Standard Color Depth of Three Main Standards  
*Hongying Yang, Zhihui Yang, Wanzi Xie, Jingjing Zhang, Qing Wang*

### 10:05-12:05 / Halla B Hall

#### OS23: Psychology & Education III

*Chairs: TBD*

- OS23-1 Towards Industrial and Academic Standards to Promote and Attest Color Knowledge  
*Tien-Ren Lee, Wang-I Chen, Pei-Li Sun, Tsuei-Ju Hsieh*
- OS23-2 Overview of Colour Education in Brazilian Universities: a Focus on Design Courses in the State of São Paulo  
*Paula Csillag, Ana Lucia Lupinacci, Robert Hirschler*
- OS23-3 Chromology: Transdisciplinary Proposal of a New Science of Color Born from Pedagogical Experiences  
*Pablo Manyé*
- OS23-4 The Effect of Chromatic and Achromatic Color Schemes on Children's Emotions in a Preschool Classroom  
*Donya Dalirnaghadeh, Nilgun Olgunturk*
- OS23-5 COLOR, EMOTION AND BEHAVIORAL INTENTIONS IN CITY HOTEL GUESTROOMS  
*SELİN YAR, NİLGÜN OLGUNTÜRK*
- OS23-6 Mindfulness Zen meditation makes less cognitive conflict in the prefrontal brain under the Stroop color interference  
*Naoyuki Osaka, Takehiro Minamoto, Ken Yaoi, Miyuki Azuma, Mariko Osaka*

### 10:05-12:05 / Samda Hall

#### OS24: Color & Health IV

*Chairs: TBD*

- OS24-1 Application of Sumac With Natural Pigments in Producing Essential Oils Color and Protection of Foods .  
*Forouzandeh Ghasemi*
- OS24-2 Creating Appearance – Polymers & Pigments  
*Romesh Kumar*
- OS24-3 Association Analysis of Tongue Color Spatial Distribution and Physiological Index based on Tongue Shape Normalization  
*Kazunari Murai, Toshiya Nakaguchi, Akira Morita, Takao Namiki*
- OS24-4 Evaluation of Color Conversion Accuracy using Tongue Color Chart  
*Yudai Ota, Toshiya Nakaguchi, Masami Shishikura, Koichi Sakaue, Akira Morita, Tadaaki Kawanabe, Takao Namiki, Yoichi Miyake*
- OS24-5 Improving intraoperative color appearance of organ using spectrally tunable light source  
*Yoko Kurabuchi, Takashi Ohnishi, Toshiya Nakaguchi, Hideaki Haneishi*

## Closing Ceremony

### 12:10-12:40 / Tamra A Hall