

The 1st International Symposium for Color Science and Art 2019

Symposium Theme:

The Interaction between Technology and Art on Color

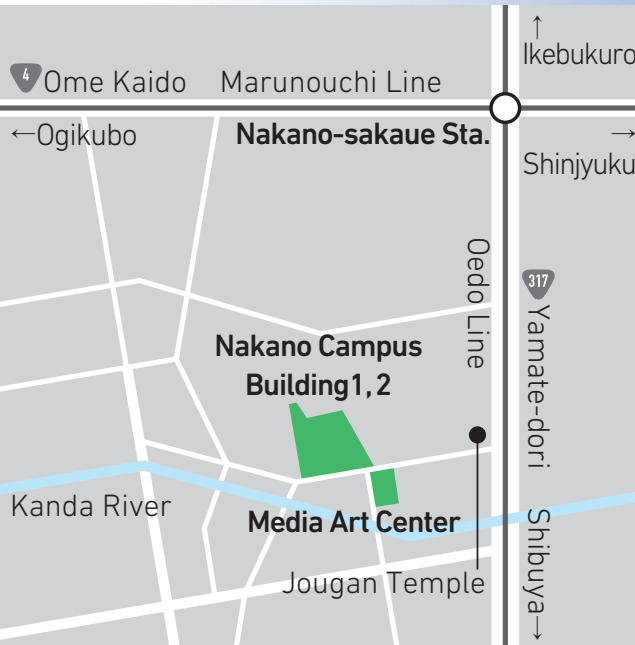
Friday, March 15, 2019 10:00—16:50

No Reservation Required／Admission Free

Place: Nakano Campus, Tokyo Polytechnic University 2-9-5 Honcho, Nakano, Tokyo - Main Hall, Media Art Center - Information Corner, Building 1 - Media Lounge, Building 2

Organizer: International Research Center for Color Science and Art, Tokyo Polytechnic University (TPU)

Academic Supporting Organizations: The Japanese Society of Printing Science and Technology The Imaging Society of Japan The Institute of Image Electronics Engineers of Japan The Color Science Association of Japan The Society of Photography and Imaging of Japan The Japan Society for Arts and History of Photography



Transportation 5 min. walk from Nakano-sakaue station on Tokyo Metro Marunouchi Line / Toei Subway Oedo Line. Leave the station from Exit #1, and follow Yamate-dori Avenue toward Shibuya. Turn right at the Nakano-honcho 2-Chome intersection.

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Official Website: https://www.color.t-kougei.ac.jp/en/ https://www.facebook.com/kougei.collab.gallery/ (Facebook)

9:30— Registration   Entrance Hall, Media Art Center		Poster Session   Information Corner, Building 1 (8 posters)	
Oral Session 1   Main Hall, Media Art Center		1	Metaphoric Association between Colors and Abstract Thoughts: A Case of “Time” Yoshihiro Matsunaka
10:00—10:15 (15 min.) Opening Address Introduction to Research Branding Project for Color Science and Art Ryuichiro Yoshie   Tokyo Polytechnic University		2	Development of a Smart LED Lighting System for Preventing Unconcentrated State Masayuki Sekiguchi, Duk Shin
10:15—11:10 (55 min.) Invited Talk 1 Spectral Imaging and Color in Art Prof. Jussi Parkkinen   University of Eastern Finland		3	Development of a Color Mixer for Mixed-Color Education and Its Outreach Activities Suezou Nakadate, Yoshimasa Tokuyama
11:10—11:30 (20 min.) Presentation 1 The Overview of the 1st and 2nd Exhibition of col.lab Gallery Yasushi Noguchi   Tokyo Polytechnic University		4	Education and Communication Research Using Robotics Based on Color Science Junji Sone
Poster Session with Lunch time   Information Corner, Building 1   Media Lounge, Building 2		5	Effect of Fixing a Tiny Wearable Display on a Tongue Imaging Analysis System (TIAS) to Improve Stability of Tongue Presentation Takayuki Uchida
11:30—13:00 (90 min.) Poster Session 17 posters		6	A Common-Path Phase-Shifting Interference-Microscope Using RGB Lasers Jun Chen
Oral Session 2   Main Hall, Media Art Center		7	Investigation of Optimal Illumination Color in Clinical Environment of Medicine Tsuyoshi Moriyama
13:30—14:25 (55 min.) Invited Talk 2 Application of High Dynamic Range Imaging Technology to Photographic Art Prof. M. James Shyu   Chinese Culture University		8	Development of a Pole that Provides Information Using Color of Light Yuta Ogai
14:25—14:50 (25 min.) Presentation 2 Appearance Reproduction of Photographic Prints by Display Monitor Yoshihiko Azuma   Tokyo Polytechnic University		Media Lounge, Building 2 (9 posters)	
14:50—15:00 (10 min.) Break		9	Les Mémoires des Couleurs: Preserving the Color Works of Shoji Ueda and Creating the Digital Archives Hitoshi Tanaka
Oral Session 3   Main Hall, Media Art Center		10	Producing of Manga on the Colors of Horses and Armors Depicted in War Novels and Picture Scrolls of Japanese Medieval Times Atsushi Hosogaya
15:00—15:20 (20 min.) Presentation 3 The col.lab Gallery 3rd Exhibition: “Explorer of Color” Tsuyoshi Moriyama   Tokyo Polytechnic University		11	Fundamental Study on Colored Concrete for Structural Building Members Hiroshi Jinnai
15:20—16:15 (55 min.) Invited Talk 3 Effect of Color Saturation on Buying Decision Model for Printed Durian Image on Packages Prof. Aran Hansuebsai   Chulalongkorn University		12	Acceleration of Electrochromic Response using Metamaterials Katsumi Yamada
16:15—16:40 (25 min.) Presentation 4 Artificial Intelligence Artistic Painting Mirror as Interactive Art Using Deep Neural Networks Yasuo Kuhara   Tokyo Polytechnic University		13	Molecular Robots Use the Change of Colors as a Power Source: Development of an Educational Tool for Young Students by Utilizing the Structural Color Materials Toshihiro Hiejima
16:40—16:45 (5 min.) Closing remarks Takayuki Uchida   Tokyo Polytechnic University		14	Scientific Research into the Green Metallic Luster of Safflower Red Pigment extracted by Traditional Method Maiko Sasaki, Hitoshi Yajima
Poster Session 11:30-13:00 (90 min.)		15	Real-Time Self-Localization Using a Genetic Algorithm Based on Color Detection Kaori Watanabe, Hidekazu Suzuki
8 posters at the Information Corner (Building 1) and 9 posters at the Media Lounge (Building 2) will be presented. Please join our poster session. URL:https://www.color.t-kougei.ac.jp/events/events28_18.html		16	An Acceleration Method for Color Computation using Coarse Pixel Shading Takashi Imagire
		17	Transmission of Color Information Using Human Body Communication Fukuro Koshiji

About the FY 2016 Private University Research Branding Project The “Private University Research Branding Project” is a governmental program that lends intensive support for expenses, facility costs and equipment costs as a package to private universities working on unique research across the university under the leadership of the president. There were 198 applications from private universities



nationwide and 40 schools including TPU were selected at this time in FY2016. Our project is rooted in academic disciplines such as photography, printing, and optics, which are the roots of TPU, and it picked “color” as a cross-cutting research theme that is common in today’s Faculty of Engineering and Faculty of Arts. We will form the only “International Research Center for Color Science and Art” in Japan. Through this project, we will build our university brand to be known for “color” and aim for further “true fusion of engineering and art”.