

Satellite ICAI (BAGIS Track) @Imaging Conference JAPAN 2023 FINAL PROGRAM

Date: June 29 (Thu), 2023

Venue: Keyaki Kaikan (3F, Reception Hall), Nishi-Chiba Campus, Chiba University, Chiba, Japan
& Zoom Online Meeting

9:30-9:35 Opening

9:35-10:10 Invited Lecture 1 *Chair: Yoko Mizokami (Chiba University)*

Mixed Light LEDs and Applications

Pichayada Katemake (Chulalongkorn University, Thailand)

10:10-10:45 Invited Lecture 2 *Chair: Satoru Tsukada (Chiba University)*

Exploring Solvation Structure in Ternary Electrolyte Solutions for Lithium-Ion Batteries:

Integrating Molecular Dynamics Simulations and Imaging Science for Comprehensive Analysis

Vannajan Sanghiran Lee, Muhammad Zhafran Zakaria (University of Malaya, Malaysia) and Woon Gie Chong (Xiamen University Malaysia Campus, Malaysia)

10:45-10:55 Short Break

10:55-12:15 Oral Session 1 *Chair: Makoto Omodani (Tokyo Denki University)*

10:55 **1-1 Colour Appearance of Gamma-Irradiated Quartz**

Ektawat Plerksophon and Pichayada Katemake (Chulalongkorn University, Thailand)

11:15 **1-2 Face Color Perception for Melanin and Hemoglobin Changes**

Takahisa Kitano, Hiromi Sato and Yoko Mizokami (Chiba University, Japan)

11:35 **1-3 Determination of Narrow-Band LEDs for Luminance Contrast Enhancement**

Anukul Radsamrong, Pichayada Katemake (Chulalongkorn University, Thailand), Éric Dinet (Université Jean Monnet, France), Vineetha Kalavally (Monash University Malaysia, Malaysia) and Alain Trémeau (Université Jean Monnet, France)

11:55 **1-4 Evaluating the Efficacy of Technical Images for Detecting Deterioration in Yellow Pigments**

Duantemdoung Dethsuphar and Pichayada Katemake (Chulalongkorn University, Thailand)

12:15-13:15 Lunch Break

13:15-14:45 Poster session*

14:45-15:20 Invited Lecture 3 (Recorded) *Chair: Satoru Tsukada (Chiba University)*

Images from Electron Microscopes in Characterisation of Polymers

Norazilawati Muhamad Sarih (Universiti Malaya, Malaysia)

15:20-15:55 Invited Lecture 4 (Online) *Chair: Kazuki Nakamura (Chiba University)*

Recent Developments in In-Situ Photochemically Prepared Nanocomposites

Nergis Arsu, Elif Ozcelik Kazancioglu, Gonul S. Batibay, Hicret Kirtay, H. Mirac Dizman (Yildiz Technical University, Turkey), Eyup Metin (Turkish-German University, Turkey), Saliha Mutlu (Karadeniz Technical University, Turkey) and Meral Aydin (Yildiz Technical University, Turkey)

15:55-16:05 Short Break

16:05-17:25 Oral Session 2 *Chair: Shoko Imaizumi (Chiba University)*

16:05 2-1 Home Laboratory: pH Detection Using Color Change of Cabbage Solution

Surya Iryana Ihsanpuro, Abdul Halim, Latif Wahyudi, Farah Layli Ramadhani, Mikrimah Belva Areta, Ervan Arjani, Azmi Alvian Gabriel (Universitas Internasional Semen Indonesia, Indonesia), Maya Ismayati, Roni Maryana (Research Center for Biomass and Bioproducts, National Research and Innovation Agency (BRIN), Indonesia) and Maktum Muharja (Universitas Jember, Indonesia)

16:25 2-2 Protection of Residual Layer for JPEG XT Images Using Reversible Data Hiding

Noa Kikuchi and Shoko Imaizumi (Chiba University, Japan)

16:45 2-3 Multispectral Imaging Database and Spectral Reflectance of Pigments and Its Application

Sureeporn Khampaeng and Pichayada Katemake (Chulalongkorn University, Thailand)

17:05 2-4 (online) Classifying Fruits and Vegetables Using Deep Learning Techniques

Areerat Pathomchaiwal (Siam University, Thailand) and Norimichi Tsumura (Chiba University, Japan)

17:25-17:35 Closing

18:00- Social gathering (Reception) @ Engineering Research Building 2 (2F, Conference Room)

***Poster Session: Poster list**

P1 The Color Through Traditional Papers, Reflecting Possible Cell Remaining

Minsoo Shin and Toshiharu Enomae (University of Tsukuba, Japan)

P2 Preference of Thai and Japanese on Photographs Taking Through Various Color Filters In Case Of Appearing Healthy Skin

Chanida Saksirikosol, Chanprapha Phuangsuwan, Kitirochna Rattanakasamsuk and Uravis Tangkijviwat (Rajamangala University of Technology Thanyaburi, Thailand)

P3 Powder Electroluminescent Device by Using a Naphthalenediimide Macrocycle with Red-Emission

Hiiro Nakano (National Institute of Technology, Oita College, Japan), Riko Tanaka, Tomohito Ide (National Institute of Technology, Tokyo College, Japan), Yoshitaka Tsuchido (Tokyo University of Science, Japan), Toshifumi Satoh (Tokyo Polytechnic University, Japan) and Shota Tsuneyasu (National Institute of Technology, Oita College, Japan)

P4 The Effect of Surrounding for Simultaneous Color Contrast

Janejira Mepean, Chanprapha Phuangsuwan and Mitsuo Ikeda (Rajamangala University of Technology Thanyaburi, Thailand)

P5 A Noise-Robust Pulse Wave Estimation Using Wiener Estimation Method

Yuta Hino and Norimichi Tsumura (Chiba University, Japan)

P6 Temperature Compensation for Thermal Synthetic Aperture Imaging

Miyuki Matsuda (Tokai University, Japan), Kenichiro Tanaka (Ritsumeikan University, Japan), Takuya Funatomi, Yasuhiro Mukaigawa (Nara Institute of Science and Technology, Japan), Suren Jayasuriya (Arizona State University, USA) and Hiroyuki Kubo (Chiba University, Japan)

P7 Effect of Skin Color Change on Facial Expression Recognition: A Study of Japanese and Thai Observers

Yuanyuan He, Ryo Michishita, Hiromi Sato and Yoko Mizokami (Chiba University, Japan)

P8 Optical Properties of Subshell Structures

Yuto Fujita and Daisuke Tanaka (National Institute of Technology, Oita College, Japan)