

ICEPA-ITA 2024 BEST Paper Award List

Session	Presentation	Title	author
OT1-11	Oral	Engineering Photogating with Perovskite Integration: Enabling Long-Term Potentiation in Synaptic Transistors	Kyumin Meang and Kwang Seok Yun * Department of Electronic Engineering, Sogang University, Republic of Korea
OT1-14	Oral	Improvement of Hysteresis through N2O Plasma Surface Treatment of Low-Temperature Polycrystalline Silicon Thin-Film Transistors	Dae Woong Kim * , Kook Chul Moon, Hwarim Im, and Yong-Sang Kim † Sungkyunkwan University, Korea
OT1-19	Oral	Mixed mode noise analysis for power convert circuit under operating condition	Junhee Han * and Wansoo Nah † Sungkyunkwan university, Korea
OT4-4	Oral	THE COMPARATIVE ANALYSIS OF THE KOK-GUMBAZ MOSQUE ON THE BASIS OF COLLECTED DATA OF 2015 AND 2023 WITH THE USAGE OF LASER SCANNING METHOD	SAIDISLOMKHON USMANOV ** , Tatyana KIM, and Khasan Khankeldiyev Turin Polytechnic University in Tashkent, Uzbekistan
OT4-7	Oral	Denial of Service (DoS) Identification using Auto Encoder	Mohammad Imtiaz Gulbarga ** and Al Khan † Ala-Too International University, Kyrgyzstan
OT4-8	Oral	Integrating Practical ARMv8 Learning Experiences in Computer Architecture Education	Maksudjon Usmonov ** and Lobar Asretidinova † Turin Polytechnic University in Tashkent, Uzbekistan
OT4-11	Oral	Non-contact handheld scanning of countersink holes in aerospace industry	Abdulaziz AZAMATOV ** Turin Polytechnic University in Tashkent, Uzbekistan
OT5-1	Oral	IMAGE PROCESSING, DISPLACEMENT AND ACCELERATION MEASUREMENT ANALYSIS, SEISMIC TESTING OF LIGHTWEIGHT RAW MATERIAL WALL AND BASALT GEOGRIDS USED IN WALL CONSTRUCTION	Bekmurod Hamdam o'g'li Karimov ** and Davron Nigmatov † Turin Polytechnic University in Tashkent, Uzbekistan
OT5-4	Oral	Consensus Algorithm Design with Leader-Follower Model and Application to Smart Irrigation	Sanghyuk Lee * and Azizbek Marakhimov † New Uzbekistan University, Uzbekistan
PT-8	Poster	Improving Contact Resistance in a-IGZO Transistors with AZO Interlayer based Metal-Interlayer-Semiconductor (MIS) Structure	SUNGJOO SONG * and Hyun-Yong Yu † Korea University, Korea
PT-9	Poster	An edge termination for a 3.3 kV SiC PIN diode with less sensitive to P-base doses through implanted P+ rings and deep P layer	Sangyeob Kim * , Ogyun Seok † , and Hyowon Yoon kumoh national institute of technology, Korea
PT-10	Poster	Influence of Process Variations on the Electrical Performance of Nanosheet Gate-All-Around Complementary FET	Seong-Ji Min * and Hyun-Yong Yu † Korea University, Korea
PT-15	Poster	Analysis of Sparkover Characteristics according to Discharge Distance in High Vacuum Conditions	Kim Jaesang ** , Park yunyoung, Jeong Minkyung, and Kang Hyoungku † Korea national university of transportation, Korea
PT-16	Poster	Surface Flashover Characteristics of Pressboard Considering Electrode Arrangements under Synthetic Ester Oil	Kim Jaesang ** , Park yunyoung, Jeong Minkyung, and Kang Hyoungku † Korea national university of transportation, Korea
PT-17	Poster	Synthesis of ZnS Nanoparticles: Effects of different ratio of components	Umida Rayimjonova 1**, Shukur Gofurov 1 , Dilbar Bozorova 1 , Odina Abdiraimova 1 , Otabek Nigmatov 1,2 , and Oksana Ismailova 1,2 1 Uzbek-Japan innovation center of Youth, 2 Turin Polytechnic University in Tashkent, Tashkent, Uzbekistan
PT-18	Poster	Sulfur Doping in BiOCl for Enhanced Photocatalytic Activity	Shukur Gofurov 1**, Odina Abdiraimova 1 , Umidakhon Rayimjonova 1 , Otabek Nigmatov 1 , Dilbar Bozorova 2 , and Oksana Ismailova 1 1 UJICY Tashkent, 2 IPLT Tashkent, Uzbekistan
PT-24	Poster	A Study on the Assessment Method for Life of Epoxy Molding Products through Accelerated Deterioration Tests	Hongjun Chae ** , Seokhoon Kong, Sonjoo Hyeong, Kwangheum Han, and Sunghui Park Dongwoo Electric corp., korea
PT-25	Poster	Analysis of Electrical Characteristics of Service-Aged XLPE Cables According to Installation Location	Jiho Jung * , Ho-Seung Kim, and Bang-Wook Lee † Hanyang University, korea
PT-26	Poster	Statistical Lifetime of Gas-Insulated Switchgear (GIS) in Tropical Climate: A Case Study of PLN in Indonesia	Minkyung Jeong 1* , Ragil Handito 1 , Uhyeon Jo 1 , Bonhyuk Ku 1 , Yechan Kim 1 , Rofiul Huda 2 , Eko Prasetyo 2 , and Hyoungku Kang 3† 1 Korea National University of Transportation, 2 PT. PLN, 3 Korea National University of Transportation, Korea
PT-31	Poster	Development of Hydrogen Gas Sensor Using PdNi Sensing Material	LEE JINJAE * , LEE KeeKeun † , LEE HyunHo, SIM Eunseon, LEE Jongmin, and KIM Donggeon Ajou University, korea
PT-33	Poster	SPATIAL MODELING OF AQI OVER TASHKENT PROVINCE FOR SUSTAINABLE URBAN PLANNING	Latofatkhon Saydamatova ** Turin Polytechnic University in Tashkent, Uzbekistan