

2023 International Symposium on Advanced Technology (ISAT-22)

Poster Session

10/19 15:00-16:10

Chair: Prof. Kai-Chieh Chuang

Paper No.	Title / Author / Affiliation
JP-11	A Study on a Vision Transformer Model with Squeeze-and-Excitation Blocks for a Generative Adversarial Network Model Tatsuhiko Ikeda and Hidetoshi Saito <i>Kogakuin University</i>
JP-14	Measuring Facial Sway Using the Front Camera of a Smartphone Shunki SUZUKI and Hisaya TANAKA <i>Kogakuin University</i>
JP-15	Nonhazardous Extraction of Gold from Electronic Waste Miku Yoshizawa and Tomohide Takami <i>Kogakuin University</i>
JP-16	Enhancing Trust in Human-Machine Collaboration: An Analysis of Contributing Factors to Transportation Accidents Kazuma Shirakawa and Daigo Misaki <i>Kogakuin University</i>
JP-19	Demand Forecasting of Bus Ridership in Sightseeing Areas with Considering both Passenger Convenience and Business Profitability Ibuki Enomoto, Yoshio Miki <i>Kogakuin University of Technology & Engineering</i>
JP-20	Diversity Experience using the Human Augmentation and impact on Design Samu Hong and Daigo Misaki <i>Kogakuin University of Mechanical Engineering</i>
JP-21	Adapting Design Thinking to engineering education in the Asian context Daigo Misaki <i>Kogakuin University</i>
JP-22	Relation between composition ratio and electrical properties in MgNiZnO films prepared by RF magnetron sputtering A. Ishikawa ¹ , M. Murayama ¹ , T. Akiba ¹ , T. Yamaguchi ¹ , T. Honda ¹ , K. Sasaki ² , A. Kuramata ² and T. Onuma ¹ <i>¹Kogakuin University; ²Novel Crystal Technology, Inc.</i>
JP-23	Optical transitions in rocksalt-structured MgZnO based metal-semiconductor-metal-type VUV sensor H. Kusaka ¹ , K. Ogawa ¹ , T. Mitomi ¹ , K. Kaneko ² , T. Yamaguchi ¹ , T. Honda ¹ , S. Fujita ³ and T. Onuma ¹ <i>¹Kogakuin University; ²Ritsumeikan University; ³Kyoto University</i>
JP-26	Positive Preparation and Electrochemical Characterization Containing Highly-Concentrated Electrolyte for High Performance Clay-Type All-Solid-State Batteries Keigo Suzuki, Takaaki Ichikawa, Rintaro Mogi and Shiro Seki <i>Kogakuin University</i>
JP-30	An Objective Method to Compare CT Data of Normal and Malformed Cochlea

	Yuta Miura ¹ , Taku Ito ² , Takeshi Tsutsumi ² and Yutaka Fukuoka ¹ <i>¹Kogakuin University; ²Tokyo Medical and Dental University</i>
JP-31	Evaluation Methods for Learning Attitude Using Head Sway Assessment System Hiroki Horiuchi ^{1,2} and Hisaya Tanaka ¹ <i>¹Graduate School of Kogakuin University; ²Kanagawa Prefectural Yokohama Shuyukan High School</i>
JP-32	A proposal of a method to get recommendations for unknown different fields from known preference information Ami Ehara and Yoshio Miki <i>Kogakuin University of Technology and Engineering</i>
JP-36	Forming and Mechanical Properties of Thin Porous Metals Haruto Tada and Masanori Shiomi <i>Kogakuin University</i>
JP-37	Improvement of photoelectric conversion efficiency of Cu_xO/TiO₂ thin film solar cells Shunta Endo and Ichiro Takano <i>Kogakuin university</i>
JP-38	HCl-assisted Mist CVD Growth and Electrical Properties of α-In₂O₃ Films Using Various In-based Materials T. Yamamoto, A. Taguchi, R. Yamada, H. Nagai, T. Onuma, T. Honda, and T. Yamaguchi <i>Kogakuin University</i>
JP-39	Sn-doped α-Ga₂O₃ Films Grown Using Sn Source Solutions with Different Aging Times and Their Electrical Properties Ko. Yamada, T. Yamamoto, R. Yamada, Ka. Yamada, H. Nagai, S. Aikawa ¹ , T. Onuma, T. Honda and T. Yamaguchi <i>Kogakuin University</i>
JP-41	Research on UIUX Evaluation using Heart Rate Variability of Wearable Devices Kota Yamamoto and Daigo Misaki <i>Kogakuin University</i>
JP-42	Study on high-speed growth of β-Ga₂O₃ by Mist CVD method M. Sugitani ¹ , T. Yamaguchi ¹ , K. Sasaki ² , A. Kuramata ² , T. Honda ¹ , and T. Onuma ¹ <i>¹Kogakuin University; ²Novel Crystal Technology, Inc.</i>
JP-45	Realization of Cathodoluminescence in 190 nm Wavelength Range in Rocksalt-Structured MgZnO Films Grown by Mist Chemical Vapor Deposition Kotaro Ogawa ¹ , Wataru Kosaka ¹ , Hiroya Kusaka ¹ , Yuichi Ota ² , Tomohiro Yamaguchi ¹ , Tohru Honda ¹ , Kentaro Kaneko ³ , Shizuo Fujita ⁴ and Takeyoshi Onuma ¹ <i>¹Kogakuin University; ²Tokyo Metropolitan Industrial Technology Research Institute; ³Ritsumeikan University; ⁴Kyoto University</i>
JP-46	Proposal for Teaching Methods of Programmatic Thinking in the Field of Programming Education Masato Tasaki and Yoshio Miki <i>Kogakuin University of Technology and Engineering</i>
JP-48	Evaluation of ZnO thin film on Ar plasma treated CNF Kai Ishikawa and Ichiro Takano <i>Kogakuin University</i>

JP-49	<p>Comparison of α-particle Detection Property of α-Ga₂O₃ and α-GIO Alloys Grown by Mist CVD</p> <p>Kai Yamada¹, Kotonon Yamada¹, Rie Yamada¹, Takumi Yamamoto¹, Tatsuhiro Sakurai², Ryohei Kudo², Takeyoshi Onuma¹, Tomohiro Yamaguchi¹, Toru Aoki², Takayuki Nakano² and Tohru Honda¹</p> <p>¹Kogakuin University; ²Shizuoka University</p>
JP-50	<p>Assessing Spatial Elements for Enhanced Creativity: A Comparative Study Within Kogakuin University's Campus</p> <p>Keigo Hayakawa and Daigo Misaki</p> <p><i>Kogakuin University</i></p>
JP-53	<p>Analysis of Echocardiographic Probe Attitude for Improve Technical Proficiency</p> <p>Daiki Sekine¹, Junji Yamato¹, Dan Mikami¹, Yasuyoshi Takei²</p> <p>¹Kogakuin University; ²Tokyo Medical University</p>
JP-55	<p>Early Detection of Cognitive Decline Using Anteroposterior Asymmetry of Brain Activity During Visual Attention Task</p> <p>Hiroyuki ABE¹, Hisaya TANAKA¹, Akito TSUGAWA², Naoto TAKENOSHITA², Tomohiko SATO² and Soichiro SHIMIZU²</p> <p>¹Kogakuin University; ²Tokyo Medical University</p>
JP-57	<p>Dependence of N⁺ or N₂⁺ ion implantation on photocatalytic properties of anodic niobium oxides</p> <p>Masayuki Ikeya, Hidetaka Asoh and Ichiro Takano</p> <p><i>Kogakuin university</i></p>
JP-58	<p>Improved Simulation for Statistical Integrated Analysis Method of MicroRNA and Gene Expression</p> <p>Keita Kodama and Yutaka Fukuoka</p> <p><i>Kogakuin University</i></p>
JP-59	<p>Formation of ITO electrodes on InGaN-based p-n junction ordered nanocolumn arrays with different column periods</p> <p>R. Shindo¹, H. Akagawa¹, T. Yamaguchi¹, R. Togashi², I. Nomura², T. Onuma¹, T. Honda¹, and K. Kishino²</p> <p>¹Kogakuin University; ²Sophia University</p>
JP-61	<p>Inter-Disaster Communities and Memorial and Media in Disaster and Non-disaster Areas: Inter-disaster communities and memorials to share Knowledge from the Great East Japan Earthquake and the Great Kanto Earthquake</p> <p>Haruka Sakuma</p> <p><i>Kogakuin University Graduate School</i></p>
JP-62	<p>Functionally Graded Porous Metals with Multiple Materials</p> <p>Hidekazu Miyazaki and Masanori Shiomi</p> <p><i>Kogakuin University</i></p>
JP-63	<p>Fabrication of top-down and bottom-up MOSFET using α-In₂O₃ films grown by Mist CVD</p> <p>Y. Hayashi, A. Taguchi, S. Yamadera, T. Yamamoto, S. Aikawa, T. Onuma, H. Honda, T. Yamaguchi</p> <p><i>Kogakuin University</i></p>
TW-11	<p>Integrating Generative AI into Electronic Engineering Curricula: A Case Study on Digital System Design</p> <p>Jung-Lin Yang and Yi-Wen Chan</p> <p><i>Southern Taiwan University of Science and Technology</i></p>
TW-12	<p>Controllable Hortensia-like MnO₂ as an Efficient Electrocatalyst for</p>

	<p style="text-align: center;">Supercapacitor Yu-Ming Chang¹, Chao-Ming Huang² and Yu-Chu M. Li¹ ¹<i>Southern Taiwan University of Science and Technology</i>; ²<i>Kun Shan University</i></p>
TW-15	<p style="text-align: center;">Fabrication of Birefringent PEN Transducer for Flow Speed Variation Measurements Chang-Hui Chen, Wen-Chi Hsu and Ruey-Ching Twu <i>Southern Taiwan University of Science and Technology</i></p>
TW-16	<p style="text-align: center;">Effect of Film Thickness on the Ethanol Sensing Sensitivity of Titanium Dioxide Gas Sensor Hsyi-En Cheng¹, Bo-Jia Lin² and Zu-Po Yang² ¹<i>Southern Taiwan University of Science and Technology</i>; ²<i>National Yang Ming Chiao Tung University</i></p>
TW-18	<p style="text-align: center;">Using FreeCAD as BIM Modeling tool Po-Ming Lee <i>Southern Taiwan University of Science and Technology</i></p>
TW-22	<p style="text-align: center;">The Effect of Moisture on the Texture Properties of Dry Fruit (Banana) Quoc Thien Pham¹, Md Niyaz Ahmad², Sheng-En Lu², Ya-Chi Kuo², Cheng-Wei Shih², De-Xian Lai² and Nai-Shang Liou² ¹<i>HUTECH University</i>; ²<i>Southern Taiwan University of Science and Technology</i></p>
TW-23	<p style="text-align: center;">Based on Photography 3D Reconstruction Algorithm Combined with Autonomous Drone Jia-Shing Shih, Cheng-Dian Zhan, FAN WEI-CHIEH, Ming-Sian Chen and Chong-Xiang Jian <i>Southern Taiwan University of Science and Technology</i></p>
TW-28	<p style="text-align: center;">A Deep Learning Framework for Steady-State Visual Evoked Potential Rapid Recognition - TransRANet Yeou-Jiunn Chen and Pin-Wei You <i>Southern Taiwan University of Science and Technology</i></p>
TW-29	<p style="text-align: center;">Optical-Sensing Devices with Resonant-Cavity-Enhanced Structures of Porous-Silicon for Applications in Si-based Optoelectronic Integrated Circuits (OEIC's) Kuen-Hsien Wu and Hung-Yi Li <i>Southern Taiwan University of Science and Technology</i></p>