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Day 1									
8:30–9:30			Registration(Main Hall)						
9:30–9:50	Opnening Celemony	9:30–9:40	Presidnt Prof. Yasunori Mitani(Kyutech)						Chair: Kyutech : Dr. Tomomi Sudo UPM: Dr. Nor Eliani Ezani
		9:40–9:50	VC. Prof. DATO' PROF. DR. AHMAD FARHAN MOHD(UPM)						
9:50–10:00	Event	9:50–10:00	Signing ceremony of MOA for double degree program						
9:50–11:30	Plenary	10:00–10:30	Plenary speaker:DATO' PROF. DR. AHMAD FARHAN MOHD SADULLAH (Plenary speaker, 30min) Vice-Chancellor of UPM "Thriving industries for a healthier planet, key for University-Industry Relationship"						
	Keynote	10:30–11:10	Keynote1:Prof.Tomohide Yabuki from Kyutech (40min) "Unveiling Boiling Heat Transfer Mechanisms with Advanced Measurement and Numerical Simulation Techniques"						
	Keynote	11:10–11:30	Keynote 3:Dr. Khan Md. Mahfuzus Salam (20min) Co-chair, APNG (Asia Pacific Next Generation). CEO, CodeNext Inc., Japan. Adjunct Associate Professor, Daffodil International University, Dhaka, Bangladesh. "Asia Pacific Next Generation Camp: A Vision for Fostering Youth Leaders in a Technology-Enhanced Future."						
11:30–11:40	photo	11:30–11:40	Photo session						
Parallel sessions			Parallel 1 (C2A) Chair: Dr. Shinya IKENO (Kyutech)/Dr. Nazlina Haiza MOHD YASIN (UPM)	Parallel 2 (C2B) Chair: Prof. Kaori YOSHIDA(Kyutech)/Dr. Fatimah SIDI (UPM)	Parallel 3 (Nakamura Centenary Memorial Hall 2F) Chair: Prof. Shinya OHTSUKA (Kyutech)/Dr. Nadihah WAHI (UPM)	Parallel 4 (Project Lab) Chair: Prof. Shyam S. PANDEY (Kyutech)/Prof. Hidayah ARIFFIN (UPM)	Center OS (Houryu Kaikan)	Center OS (Main Hall)	
14:00–15:00	Session1(24)	13:30–13:45	Applied Biology:saes2024-p0200	Computer Science:saes2024-p0050	Engineering & Technology:saes2024-p0174	Material Science:saes2024-p0088	OS4	OS3	
		13:45–14:00	Applied Biology:saes2024-p0021	Computer Science:saes2024-p0053	Engineering & Technology:saes2024-p0170	Material Science:saes2024-p0086			
		14:00–14:15	Applied Biology:saes2024-p0002	Computer Science:saes2024-p0112	Engineering & Technology:saes2024-p0179	Material Science:saes2024-p0089			
		14:15–14:30	Applied Biology:saes2024-p0003	Computer Science:saes2024-p0070	Engineering & Technology:saes2024-p0159	Material Science:saes2024-p0068			
		14:30–14:45	Applied Biology:saes2024-p0176	Computer Science:saes2024-p0109	Engineering & Technology:saes2024-p0196	Material Science:saes2024-p0110			
		14:45–15:00	Applied Biology:saes2024-p0185	Computer Science:saes2024-p0085	Engineering & Technology:saes2024-p0195	Engineering & Technology:saes2024-p0046	OS6		
15:00－15:10 休憩(Break time)								Break	
			Chair: Dr. Jin NAKAMURA (Kyutech)./Dr. Mohd Zulkhairi MOHD YUSOFF (UPM)	Chair: Dr. Tsuyoshi OKITA (Kyutech)./Dr.Kai Siong YOW (UPM)	Chair: Dr. Wentao CHEN (Kyutech)/Prof. Siti Anom AHMAD (UPM)	Chair: Dr. Takanori KITAMURA (Kyutech)/Dr. Ummi ABDULLAH (UPM)			
15:10–16:00	Session2(16)	15:10–15:25	Applied Biology:saes2024-p0168	Computer Science:saes2024-p0069	Engineering & Technology:saes2024-p0017	Material Science:saes2024-p0206			
		15:25–15:40	Applied Biology:saes2024-p0001	Computer Science:saes2024-p0194	Engineering & Technology:saes2024-p0180	Material Science:saes2024-p0129			
		15:40–15:55	Applied Biology:saes2024-p0152	Engineering & Technology:saes2024-p0111	Engineering & Technology:saes2024-p0115	Material Science:saes2024-p0145			
		15:55–16:10	Applied Biology:saes2024-p0010		Engineering & Technology:saes2024-p0023	Material Science:saes2024-p0167			
16:10－16:20 休憩(Break time)								OS5	
			Chair: Prof. Toshirani MAEDA (Kyutech)/Dr. Noor YUSOF(UPM)	Chair: Dr. Tomohiro I (Kyutech)./Dr.Iskandar ISHAK (UPM)	Chair: Prof. Tomohide YABUKI (Kyutech)/Prof. Norhisam MISON (UPM)	Chair: Dr. Hiroyuki MORIMOTO (Kyutech)/Dr. Ismayadi ISMAIL (UPM)			
16:20–17:20	Session3(16)	16:20–16:35	Applied Biology:saes2024-p0065	Computer Science:saes2024-p0044	Engineering & Technology:saes2024-p0098	Material Science:saes2024-p0126			
		16:35–16:50	Applied Biology:saes2024-p0075	Computer Science:saes2024-p0081	Engineering & Technology:saes2024-p0099	Material Science:saes2024-p0116			
		16:50–17:05	Applied Biology:saes2024-p0007	Computer Science:saes2024-p0071	Engineering & Technology:saes2024-p0140	Material Science:saes2024-p0037			
		17:05–17:20	Engineering & Technology:saes2024-p0123	Computer Science:saes2024-p0067	Engineering & Technology:saes2024-p0054	Material Science:saes2024-p0045			
18:00–20:00	Nakamura Centenary Memorial Hall 1F		Banquet						

Day2								
9:00–9:20			Registration					
Parallel sessions			Parallel 1 (C–2G) Chair: Prof. Masaaki TAMAGAWA (Kyutech)/Dr. Hizmawati MADZIN (UPM)	Parallel 2 (Co–1B) Chair: Ms. Nazmun NAHID (Kyutech)/Dr. Asnor Juraiza ISHAK (UPM)	Parallel 3 (3–1A)	Parallel 4 (Nakamura Centenary Memorial Hall 2F)	Parallel 5 (Main Hall) Chair: Prof. Kazuma NAKAMURA (Kyutech) /Prof. Rosnah SHAMSUDIN (UPM)	Pararela 6 (Learning Commons)
9:20–10:20	Session1(12)	9:20–9:35	Biomedical & Health Science:saes2024–p0181	Computer Science:saes2024–p0171	OS7 9:20–11:20	OS2 9:20–11:20	Engineering & Technology:saes2024–p0120	OS1 9:55～11:40
		9:35–9:50	Biomedical & Health Science:saes2024–p0087	Computer Science:saes2024–p0190			Engineering & Technology:saes2024–p0018	
		9:50–10:05	Biomedical & Health Science:saes2024–p0198	Computer Science:saes2024–p0203			Engineering & Technology:saes2024–p0156	
		10:05–10:20	Biomedical & Health Science:saes2024–p0020				Engineering & Technology:saes2024–p0097	
10:20–10:30 休憩(Break time)								
			Chair: Dr. Yuki SHIROSAKI (Kyutech)/Dr. Abdah Md AKIM (UPM)	Chair: Dr. Yoshiaki YOSHIDA (Kyutech) / Dr. Luthffi Idzhar ISMAIL (UPM)				
10:30–11:30	Session2(12)	10:30–10:45	Biomedical & Health Science:saes2024–p0090	Material Science:saes2024–p0113				
		10:45–11:00	Biomedical & Health Science:saes2024–p0172	Material Science:saes2024–p0024				
		11:00–11:15	Biomedical & Health Science:saes2024–p0134	Material Science:saes2024–p0175				
		11:15–11:30	Biomedical & Health Science:saes2024–p0166	Material Science:saes2024–p0095				
11:30–13:00	Lunch Nakamura Centenary Memorial Hall 1F							
13:00–14:00	Poster (University Hall 1F No54 in the Map)	13:00–13:30	Poster A					
		13:30–14:00	Poster B					OS1:13:00～14:40
14:00–14:15 休憩(Break time)								
Parallel sessions			Parallel 1 (C–2G) Chair: Mr. Yuki KUROKAWA (Kyutech)/ Prof. Zurina ZAINAL ABIDIN (UPM)	Parallel 2 (Co–1B) Chair: Mr. Bintang Pratama HARRY MUHAMMAD (Kyutech) & Prof. Rosnah SHAMSUDDIN (UPM)	Parallel 3 (C–2B) Chair: Mr. Wang RUOZHU (Kyutech) & Prof. Ezani ELIANI (UPM)	Parallel 4 (Nakamura Centenary Memorial Hall 2F) Chair: Ms. Lease JACQUELINE (Kyutech) & Dr. Hizmawati MADZIN (UPM)		
13:30–15:15	Session3(24)	14:15–14:30	Engineering & Technology:saes2024–p0074	Engineering & Technology:saes2024–p0211	Engineering & Technology:saes2024–p0141	Engineering & Technology:saes2024–p0160		
		14:30–14:15	Engineering & Technology:saes2024–p0057	Engineering & Technology:saes2024–p0153	Engineering & Technology:saes2024–p0031	Engineering & Technology:saes2024–p0114		
		14:15–14:30	Engineering & Technology:saes2024–p0022	Engineering & Technology:saes2024–p0204	Engineering & Technology:saes2024–p0205	Engineering & Technology:saes2024–p0136		
		14:30–14:45	Engineering & Technology:saes2024–p0193	Engineering & Technology:saes2024–p0064	Engineering & Technology:saes2024–p0182	Engineering & Technology:saes2024–p0080		
		14:45–15:00	Engineering & Technology:saes2024–p0154		Engineering & Technology:saes2024–p0096	Engineering & Technology:saes2024–p0048		
		15:00–15:15						
15:15–15:30 休憩(Break time)								
15:30–16:40	Event	15:30–16:00	Activity report for mobility in Green Inovation class					
		16:00–16:40	Keynote 2:Prof. Mohd Nizar Hamidon from UPM (40min) Department of Electrical and Electronic Engineering, Faculty of Engineering, Universiti Putra Malaysia "Carbon-based Materials for Interconnection and Applications"					
16:40–17:00	Closing ceremony		Award					Chair: Kyutech: Dr. Tomomi Sudo UPM: Dr. Nor Eliani Ezani
			VP kyutech Prof. Tohru Kamiya					
			DVC UPM Prof. ISMI ARIF BIN ISMAIL					
			Photo Session					

Oral Presentaion

Oral Presentation ID	Presentation date	Session	Paper ID	Paper Title	Corresponding Person Title	First/Given Name	Last/Family Name
197	Day1_P1_S1_1	Applied Biology	saes2024-p0200	Innovative Microbial Strategy for Converting Phenol into Bioplastic	Associate Professor	Norhayati	Ramli
19	Day1_P1_S1_2	Applied Biology	saes2024-p0021	Biotransformation of Grease Trap Solid Waste via Composting with Rice Husk	Ms.	Li Xin	Lee
2	Day1_P1_S1_3	Applied Biology	saes2024-p0002	Simulating Global Warming's Impact on Rice Yields During Flowering with Phytotron Technology	Mr.	FAUZI	JUMAT
3	Day1_P1_S1_4	Applied Biology	saes2024-p0003	New National Emission Factor for Rice Production System in Malaysia	Mr.	Mohd Aziz	bin Rashid
173	Day1_P1_S1_5	Applied Biology	saes2024-p0176	Influence of Vacuum Impregnation with Melatonin, -Aminobutyric Acid, and Oxalic Acid on Chilling Injury and Quality Attributes of Carambola	Lecturer	NOOR	YUSOF
182	Day1_P1_S1_6	Applied Biology	saes2024-p0185	Metabolomic-Based Biomarker Identification to Differentiate Malaysian Village Chicken Eggs from Commercial Eggs	Lecturer	Nuzul	Jambari
165	Day1_P1_S2_1	Applied Biology	saes2024-p0168	Microalgae for Pollutant Removal and Metabolites Production	Lecturer	NAZLINA HAIZA	MOHD YASIN
1	Day1_P1_S2_2	Applied Biology	saes2024-p0001	Comparative Life Cycle Greenhouse Gas of Conventional Paddy Cultivation and Safe Alternate Wetting and Drying Technique: A Sustainability Perspective	Ms.	Nurul Ain	Abu Bakar
149	Day1_P1_S2_3	Applied Biology	saes2024-p0152	Phytoremediation of Grease Trap Wastewater in the Constructed Wetland using Napier Grass (Pennisetum purpureum)	Ms.	Nur Fatihah Eliya	Mohamed Fauzi
8	Day1_P1_S2_4	Applied Biology	saes2024-p0010	Bamboo Growth Under Different Watering Regimes with IoT-Integrated Smart Nursery	Lecturer	Ruzana Adibah	Mohd Sanusi
63	Day1_P1_S3_1	Applied Biology	saes2024-p0065	Genome Analysis of Lactiplantibacillus plantarum PA21 and Antimicrobial Potential of its Postbiotic Metabolites	Ms.	Sharleen	Isaac
73	Day1_P1_S3_2	Applied Biology	saes2024-p0075	Metabolites from Bacillus velezensis PD9 as Potential Broad-spectrum Antibacterial Agent	Ms.	Sheau Ling	Puan
5	Day1_P1_S3_3	Applied Biology	saes2024-p0007	Evaluation of Locally Isolated Fungal for Laccase Production in the Pulp and Paper Industry	Associate Professor	Mohd Zulkhairi	Mohd Yusoff
48	Day1_P2_S1_1	Computer Science	saes2024-p0050	Distillation for Energy-Efficient Reservoir Model	Mr.	Masaharu	Kagiyama
51	Day1_P2_S1_2	Computer Science	saes2024-p0053	Ensemble Learning of Models for Human Activity Recognition	Mr.	Asahi	Miyazaki
109	Day1_P2_S1_3	Computer Science	saes2024-p0112	Multi-task Learning with Swin Transformer for Brain Hematoma Marker Recognition	Mr.	Kodai	Hirata
68	Day1_P2_S1_4	Computer Science	saes2024-p0070	Extension of frame interpolation method using machine learning to multi-frame input	Mr.	Mizuki	Kawazu
106	Day1_P2_S1_5	Computer Science	saes2024-p0109	Multi-instance Learning with Self-supervised Learning	Mr.	Koki	Matsuishi
83	Day1_P2_S1_6	Computer Science	saes2024-p0085	Generation of reaction behaviour to impact	Mr.	Yuki	Nakashima
49	Day1_P2_S2_1	Computer Science	saes2024-p0051	Human Motions Connection Based on Diffusion Models	Mr.	Huayu	Gao
67	Day1_P2_S2_1	Computer Science	saes2024-p0069	Diffusion Model-based Activity Completion for AI Motion Capture from Videos	Mr.	Huayu	Gao
191	Day1_P2_S2_2	Computer Science	saes2024-p0194	Cross-platform Application for Imputing Missing Values using the ImputeX Algorithm	Associate Professor	Fatimah	Sidi
50	Day1_P2_S2_3	Computer Science	saes2024-p0052	Improving Human Activity Recognition through Diffusion Models	Mr.	Kosuke	Ukita
108	Day1_P2_S2_3	Engineering & Technology	saes2024-p0111	Atomic force probing of a Si tip approaching to a resistive thin-film Pt heater	Mr.	Yudai	Hirayama
42	Day1_P2_S3_1	Computer Science	saes2024-p0044	Classification of Ise Katagami using EMD	Mr.	Hisato	Nagao
79	Day1_P2_S3_2	Computer Science	saes2024-p0081	Development of an Interface to Manipulate Many Avatars in The Metaverse	Mr.	Akira	Miya
69	Day1_P2_S3_3	Computer Science	saes2024-p0071	Enhancing LLM Translation Evaluation through Multiple References	Mr.	Daisuke	Nozaki
65	Day1_P2_S3_4	Computer Science	saes2024-p0067	An Efficient Feature Selection Algorithm under Secret Computation	Mr.	Koki	Wakiyama
171	Day1_P3_S1_1	Engineering & Technology	saes2024-p0174	Resilient Autonomous Mobile Robot Fleet Management	Assistant Professor	Amornphun	Phunopas
167	Day1_P3_S1_2	Engineering & Technology	saes2024-p0170	Developing a Rope-Turning Robot for Complex Human-Robot Interactions: An Application of Central Pattern Generators	Mr.	Kouki	Iida
176	Day1_P3_S1_3	Engineering & Technology	saes2024-p0179	Predictive Model of Dosage for IVF Treatment using Artificial Neural Network	Ms.	Nursaida	Mohamad Zaber
156	Day1_P3_S1_4	Engineering & Technology	saes2024-p0159	Classification of Discharge Types Using AI and Correlation Coefficients for Smart Security of Electric Power Equipment	Mr.	Shumpei	Ogawa
193	Day1_P3_S1_5	Engineering & Technology	saes2024-p0196	ELECTROMYOGRAPHY-BASED CONTROL OF A REHABILITATION DEVICE USING RBF-PID CONTROL FOR CLASSIFYING KNEE MOTIONS	Associate Professor	Asnor Juraiza	Ishak
192	Day1_P3_S1_6	Engineering & Technology	saes2024-p0195	Remotely Controlled Watering System using Motor Driver	Lecturer	Nadihah	Wahi
15	Day1_P3_S2_1	Engineering & Technology	saes2024-p0017	A Recoilless Water Disruptor Designed by Simulations and Experiments	Assistant Professor	Tonkid	Chantrasmi
177	Day1_P3_S2_2	Engineering & Technology	saes2024-p0180	Measurement Method for Liquid-Vapor Interfacial Thermal Resistance through Observation of Bubble Growth in Uniformly Superheated Liquid	Mr.	Kanata	Sakaki
112	Day1_P3_S2_3	Engineering & Technology	saes2024-p0115	Charging Performance of S-shaped permanent magnet double stator generator system for hydro turbine application	Ms.	Nur Amira	Ibrahim
21	Day1_P3_S2_4	Engineering & Technology	saes2024-p0023	Analysis of Dynamic RDS(ON) Characteristics in 650V Schottky P-Gate GaN HEMTs Under Varying Drain Bias Stress Conditions	Mr.	Xinzhi	Liu
96	Day1_P3_S3_1	Engineering & Technology	saes2024-p0098	Analytical Study on Yield Resistance of High-Strength Bolted Frictional Joints with Reduced Bolt Deduction	Mr.	Shunsuke	Hijii
97	Day1_P3_S3_2	Engineering & Technology	saes2024-p0099	Fundamental study on bending behavior obtained by tensile loading of eccentric high-strength bolted joints	Mr.	Shinpei	Harakawa
137	Day1_P3_S3_3	Engineering & Technology	saes2024-p0140	Temperature dependence of electrochemical impedance at solid liquid interface of copper	Ms.	Farah Khaleda	Mohd Zaini
52	Day1_P3_S3_4	Engineering & Technology	saes2024-p0054	Analysis of Propagation Behaviors for Femtosecond Laser-Induced Underwater Shock Wave by Numerical Simulation	Mr.	Haturo	Yamakita
86	Day1_P4_S1_1	Material Science	saes2024-p0088	Reinforcement of Resistance Spot Welded L-type Joint Strength by Initial Bending Process (First report) Effect of the Initial Bending Angle on L-type Joints Stre	Mr.	Liu	Hongjiang
66	Day1_P4_S1_2	Material Science	saes2024-p0068	Effect of Initial Temperature of Work Material on Nugget Formation and Joint Strength of Resistance Spot Welding	Mr.	Kazuma	Yoshida
84	Day1_P4_S1_3	Material Science	saes2024-p0086	Reinforcement of Resistance Spot Welded L-type Joints Strength by Initial Bending Process (Second report) Effect of Different Combinations of Initial Bending	Mr.	Takashige	Taishi
87	Day1_P4_S1_4	Material Science	saes2024-p0089	Reinforcement of Resistance Spot Welded L-type Joint Strength by Initial Bending Process (Third Report) Reinforcement of Resistance Spot Welded L-type Joi	Lecturer	Kenjiro	Kobayashi
107	Day1_P4_S1_5	Material Science	saes2024-p0110	Strength Evaluation of Resistance Spot Welded Joints under Combined Torsional and Shear Load	Mr.	Mizuki	Hamamura
203	Day1_P4_S2_1	Material Science	saes2024-p0206	The Synergistic Effect of CNF and CM-CNF as Filler and Coating Material on the Barrier and Mechanical Characteristics of Paper	Ms.	NAZIRATULASIKIN	ABU KASSIM
126	Day1_P4_S2_2	Material Science	saes2024-p0129	Synthesis of Nanocellulose Derivatives through Esterification with Naphthoic Acid as a Fluorescent Additive	Ms.	Jacqueline	Lease
142	Day1_P4_S2_3	Material Science	saes2024-p0145	Synthesis and Characterization of Cellulose Succinate via Succinic Anhydride in a Pyridine-Catalyzed System	Mr.	BHARATH	THRIPPAYYA WARRIEM
164	Day1_P4_S2_4	Material Science	saes2024-p0167	Synthesis and Characterization of Graphenated Carbon Nanotubes (g-CNTs) via Floating Catalyst Chemical Vapor Deposition	Associate Professor	Ismayadi	Ismail
123	Day1_P4_S3_1	Material Science	saes2024-p0126	Ab initio density functional calculation for Ca2MnO4	Mr.	Yusaku	Yoshida
113	Day1_P4_S3_2	Material Science	saes2024-p0116	Tungsten Carbide as a solar absorber with high spectral selectivity	Mr.	Toshiharu	Chono
35	Day1_P4_S3_3	Material Science	saes2024-p0037	Effects of severe shear stress and hydrostatic pressure on the magnetism and crystal structure of manganese oxide Mn3O4	Mr.	Alexy	Bertrand
43	Day1_P4_S3_4	Material Science	saes2024-p0045	The Effect of Interference Fit Conditions on Joint Strength in the Shrink-Fitting of Magnesium and Aluminum Alloys	Mr.	Shuji	Miki
178	Day2_P1_S1_1	Biomedical & Health Science	saes2024-p0181	CD147 as a Key Biomarker in Bladder Cancer Cells: Identification of Protein Biomarkers using Global Proteomic LC-MS/MS Analysis	Lecturer	ARMANIA	NURDIN
85	Day2_P1_S1_2	Biomedical & Health Science	saes2024-p0087	Fabrication, characterization, and toxicity evaluation of tamoxifen citrate-loaded magnetite polymeric nanoparticles on MCF-7 Tam1 breast cancer cells	Ms.	Norazalina	Saad
195	Day2_P1_S1_3	Biomedical & Health Science	saes2024-p0198	Flightless I as Molecular Target for Inhibition of Radiation-Induced Colorectal Metastasis	Lecturer	Noraina	Muhamad Zakuan
18	Day2_P1_S1_4	Biomedical & Health Science	saes2024-p0020	Effect of stingless bee honey on biochemical profile in diabetic rats	Associate Professor	Abdah	Md Akim
88	Day2_P1_S2_1	Biomedical & Health Science	saes2024-p0090	Examination of model coefficients for transport analysis of virus concentration from the nasal cavity to the cerebral arteries	Mr.	Yoshiki	Yanagita
169	Day2_P1_S2_2	Biomedical & Health Science	saes2024-p0172	Evaluation of a system for measuring forces acting on the hand in assisting movements	Mr.	Ryo	Uchimura
131	Day2_P1_S2_3	Biomedical & Health Science	saes2024-p0134	Integration of myCobot 280 Pi with GPU via Robot Operating System for Real-Time Gallbladder Detection and Robotic Arm Displacement during Laparoscopic I	Ms.	Vahideh	Ghobadighadikalaei
163	Day2_P1_S2_4	Biomedical & Health Science	saes2024-p0166	Weakly supervised Semantic Segmentation for Tuberculosis Lung Cavity Diagnosis	Associate Professor	HIZMAWATI	MADZIN
72	Day2_P1_S3_1	Engineering & Technology	saes2024-p0074	Conductive Polymer-based Counter Electrodes for Low-cost Dye-sensitized Solar Cells.	Mr.	Yuki	Kurokawa
55	Day2_P1_S3_2	Engineering & Technology	saes2024-p0057	Synthesis of multifunctional urea-urethane methacrylate applicable to shape memory polymers	Mr.	Siyu	FAN
20	Day2_P1_S3_3	Engineering & Technology	saes2024-p0022	Application of Modified Force Sensors Using Shape-Memory Polymer	Mr.	Taichi	Taniguchi
190	Day2_P1_S3_4	Engineering & Technology	saes2024-p0193	Unlocking the Potential of Eco-Friendly Biocomposite Sandwich Structures for Energy Absorption Application	Lecturer	Mohd Zuhri	Mohamed Yusoff
199	Day2_P1_S3_4	Engineering & Technology	saes2024-p0202	Jatropha oil biobased polyurethane membrane decorated with graphene oxide for copper ion removal	Professor	Zurina	Zainal Abidin
151	Day2_P1_S3_5	Engineering & Technology	saes2024-p0154	Biochar-Mycorrhizae Composite: Advanced Fertilizer for Agricultural Sustainability Implications	Ms.	Devy	Ulandari
168	Day2_P2_S1_1	Computer Science	saes2024-p0171	Resource Optimisation in Big Graph Computations Using Multi-Core Machines	Assistant Professor	Kai Siong	Yow
187	Day2_P2_S1_2	Computer Science	saes2024-p0190	Utilizing Large Language Model to Mitigate Data Imbalance in Hand Gesture Recognition	Ms.	Enny	Indasyah
200	Day2_P2_S1_3	Computer Science	saes2024-p0203	High-Frequency Trading Data Forecasting Model using Quantum-based Approach	Associate Professor	Iskandar	Ishak
110	Day2_P2_S2_1	Material Science	saes2024-p0113	Development of Acacia Mangium Tannin Furanic Foams	Lecturer	Ummi	Abdullah
22	Day2_P2_S2_2	Material Science	saes2024-p0024	Merging Experimental and Computational Techniques to Understand the Mechanism of Enantioselective Catalysis in Organic Synthesis	Associate Professor	Hiroyuki	Morimoto
172	Day2_P2_S2_3	Material Science	saes2024-p0175	Properties of adhesives using networked polydithiourethanes derived from various mercapto thiourethanes	Ms.	Aisling	Gallagher
93	Day2_P2_S2_4	Material Science	saes2024-p0095	Exploring the Impact of Charge Carrier Mobility on the Performance of Extended-Gate OFET-Based Glucose Sensors	Mr.	Kshitij	Singh
207	Day2_P2_S3_1	Engineering & Technology	saes2024-p0211	Characterization of Slow-Release NPK Fertilizer (Study of the Use of Caragenan-Microfiber Cellulose and Number of Coatings)	Assistant Professor	Nimas	Sunyoto
150	Day2_P2_S3_2	Engineering & Technology	saes2024-p0153	Characterization of Slow Release Fertilizer Using Chitosan-Microfiber Cellulose Comparison and Number of Layers	Assistant Professor	Ika	Dewi
201	Day2_P2_S3_3	Engineering & Technology	saes2024-p0204	Cellulose-Based Hydrogels in Flexible Supercapacitors: A Sustainable Approach to Enhanced Energy Storage Solutions	Ms.	Nurul Izzah	Azmi
62	Day2_P2_S3_4	Engineering & Technology	saes2024-p0064	Energy Absorption Analysis of Natural Structures: Case Study of Durian Peel	Associate Professor	Petch	Jearanaisilawong
44	Day2_P2_S3_5	Engineering & Technology	saes2024-p0046	Molecular dynamics study of droplet impinging on heated surface	Mr.	Shu	Moromisato
120	Day2_P2_S3_6	Engineering & Technology	saes2024-p0123	Molecular Dynamics Investigation of Force Distribution at Liquid-vapor Interface of Water Nanobubble	Mr.	Yuto	Noguchi
138	Day2_P3_S3_1	Engineering & Technology	saes2024-p0141	Influence of Growth Time and Surfactants on the Morphology of ZnO Thin Films Synthesized via Hydrothermal Process	Ms.	Pritika	Singh
29	Day2_P3_S3_2	Engineering & Technology	saes2024-p0031	Implications of the Lattice Strain on the Piezoelectric Response of ZnO-Based Nanogenerators	Mr.	Nisarg	Purabiarao
202	Day2_P3_S3_3	Engineering & Technology	saes2024-p0205	Flow Visualizations and Ball Behaviors in a Ball Mill	Mr.	Ryo	Hironaka
179	Day2_P3_S3_4	Engineering & Technology	saes2024-p0182	Development and Performance Evaluation of a Low-Cost Personal Air Quality Sensor	Assistant Professor	Eliani	Ezani
94	Day2_P3_S3_5	Engineering & Technology	saes2024-p0096	Investigating the Potential of Mo V as a Non-Volatile Memristor for Efficient Electrochemical Dopamine Sensing	Ms.	Harshita	Rai
157	Day2_P4_S3_1	Engineering & Technology	saes2024-p0160	Basic Study on Influences of Defect Position and HV Conductor Arrangement in Three-phase GIS on Propagation Characteristics of PD-emitted EM Wave Ana	Mr.	Yuki	Taketomi

111	Day2_P4_S3_2	Engineering & Technology	saes2024-p0114	Evaluation of Outer Rotor Embedded PMSM using Segmented Stator	Mr.	Hairul Faizi	Hairulnizam
133	Day2_P4_S3_3	Engineering & Technology	saes2024-p0136	Influence of Shape of Metal Defect in Dry Air Insulation on partial Discharge-Emitted Electromagnetic Wave Diagnostics with the UHF Method	Mr.	Takuya	Matsufuji
78	Day2_P4_S3_4	Engineering & Technology	saes2024-p0080	Study of measurement method of residual magnetic moment of CubeSat in non-zero magnetic field environment	Mr.	Naoki	Yamashita
46	Day2_P4_S3_5	Engineering & Technology	saes2024-p0048	Comparison of Switching Noise Properties Between Different Motor Drive Systems for Smart Factory	Ms.	Tuvshinzaya	Gantulga
6	Day2_P4_S3_6	Engineering & Technology	saes2024-p0008	Cognitive Load and Work Performance Among Malaysia's Ageing Workforce: The Impact of Cognitive Ergonomic Technologies in Office Settings	Lecturer	Nurul Izzah	Abd Rahman
117	Day2_P5_S1_1	Engineering & Technology	saes2024-p0120	Elastic Moduli Prediction of Thermally Sprayed Coatings Using the Object-Oriented Finite Element Method	Mr.	Torsak	Boonthai
16	Day2_P5_S1_2	Engineering & Technology	saes2024-p0018	Effect of Steady Cytokine Concentration Gradient on The Rotation of Neutrophil Based on CFD	Mr.	Rintaro	Obana
34	Day2_P5_S1_2	Engineering & Technology	saes2024-p0036	Mathematical Modeling of Pectin Extraction from Cocoa Pod Husk using Subcritical Water Extraction	Mr.	Satria	Anoraga
153	Day2_P5_S1_3	Engineering & Technology	saes2024-p0156	Evaluation of the Soaking Conditions on the Quality of Glutinous Rice	Professor	ROSNAH	SHAMSUDIN
95	Day2_P5_S1_4	Engineering & Technology	saes2024-p0097	Detection of Discharge Signal from Operating Microwave Oven using Low Specification Instrument for Fire Prevention	Mr.	Gonchigsuren	Sergelen
39	Day2_P5_S2_3	Engineering & Technology	saes2024-p0041	FFT analysis of SPMSM drive by MMLI using Simplified Model Predictive Control	Mr.	^WS	Q0u

Poster session

Poster No	Paper ID	Session Groups	Session Time	Paper Type	Web ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)
P01	saes2024-p0102	Applied Biology / Biomedical & Health Science	A	Poster presentation	saes20240135	Ms.	Mizuho	Tanaka	Kyushu Institute of Technology
P02	saes2024-p0122	Applied Biology / Biomedical & Health Science	A	Poster presentation	saes20240065	Mr.	Muhammad Syafiq	Mohd Razib	Kyushu Institute of Technology
P03	saes2024-p0125	Applied Biology / Biomedical & Health Science	A	Poster presentation	saes20240150	Ms.	Kai Xian	Ng	Universiti Putra Malaysia
P04	saes2024-p0144	Applied Biology / Biomedical & Health Science	A	Poster presentation	saes20240176	Mr.	Naofumi	Ishikawa	Kyushu Institute of Technology
~~P05~~	~~saes2024-p0027~~	~~Applied Biology / Biomedical & Health Science~~	~~A~~	~~Poster presentation~~	~~saes20240076~~	~~Mr.~~	~~Takeshi~~	~~Toyashiki~~	~~Saiseikai Yahata Hospital~~
P06	saes2024-p0130	Applied Biology / Biomedical & Health Science	A	Poster presentation	saes20240078	Mr.	Soma	Sato	Kyushu Institute of Technology
P07	saes2024-p0147	Applied Biology / Biomedical & Health Science	A	Poster presentation	saes20240186	Ms.	PRIYANKA	balyan	Kyushu institute of Technology
P08	saes2024-p0158	Applied Biology / Biomedical & Health Science	B	Poster presentation	saes20240154	Mr.	Chun Choy	Wong	Universiti Putra Malaysia
P09	saes2024-p0165	Applied Biology / Biomedical & Health Science	B	Poster presentation	saes20240205	Ms.	Izzati	Sabri	Universiti Putra Malaysia
P10	saes2024-p0209	Applied Biology / Biomedical & Health Science	B	Poster presentation	saes20240263	Mr.	Shunske	Iriguchi	Kyushu Institute of Technology
P11	saes2024-p0157	Applied Biology / Biomedical & Health Science	B	Poster presentation	saes20240192	Mr.	Soshiro	Ono	Kyushu Institute of Technology
P12	saes2024-p0173	Applied Biology / Biomedical & Health Science	B	Poster presentation	saes20240216	Mr.	Taiki	Yamaguchi	Kyushu Institute of Technology
P13	saes2024-p0197	Applied Biology / Biomedical & Health Science	B	Poster presentation	saes20240238	Lecturer	Izwan Zuhrin	Abdul Malek	University Putra Malaysia
P14	saes2024-p0016	Computer Science I	A	Poster presentation	saes20240043	Mr.	Keita	Kashiwagi	Kyushu Institute of Technology
P15	saes2024-p0025	Computer Science I	A	Poster presentation	saes20240028	Mr.	Hongmin	JIANG	Kyushu Institute of Technology
P16	saes2024-p0061	Computer Science I	A	Poster presentation	saes20240107	Mr.	Kunpeng	Zhao	Kyushu Institute of Technology
P17	saes2024-p0062	Computer Science I	A	Poster presentation	saes20240111	Mr.	XIAOLONG	YE	Kyushu Institute of Technology
P18	saes2024-p0063	Computer Science I	A	Poster presentation	saes20240112	Mr.	Tengjiu	Huang	Kyushu Institute of Technology
P19	saes2024-p0082	Computer Science I	A	Poster presentation	saes20240023	Ms.	Saya	Watanabe	Kyushu Institute of Technology
P20	saes2024-p0092	Computer Science I	A	Poster presentation	saes20240015	Mr.	Yusuke	Goto	Kyushu Institute of Technology
P21	saes2024-p0105	Computer Science I	A	Poster presentation	saes20240149	Mr.	Tatsuya	Takabe	Kyushu Institute of Technology
P22	saes2024-p0106	Computer Science I	A	Poster presentation	saes20240151	Mr.	Yuto	Motoyama	Kyushu Institute of Technology
P23	saes2024-p0133	Computer Science I	A	Poster presentation	saes20240178	Mr.	Meiya	Tanaka	Kyushu Institute of Technology
P24	saes2024-p0138	Computer Science II	B	Poster presentation	saes20240172	Mr.	Shinji	Eto	Kyushu Institute of Technology
P25	saes2024-p0142	Computer Science II	B	Poster presentation	saes20240179	Mr.	Haruki	Kai	Kyushu Institute of Technology
P26	saes2024-p0143	Computer Science II	B	Poster presentation	saes20240162	Mr.	Koshun	Arimura	Kyushu Institute of Technology
P27	saes2024-p0151	Computer Science II	B	Poster presentation	saes20240189	Mr.	Yuki	Odo	Kyushu Institute of Technology
P28	saes2024-p0162	Computer Science II	B	Poster presentation	saes20240201	Mr.	Musashi	Hayashi	Kyushu Institute of Technology
P29	saes2024-p0178	Computer Science II	B	Poster presentation	saes20240223	Mr.	Masato	Segawa	Kyushu Institute of Technology
P30	saes2024-p0183	Computer Science II	B	Poster presentation	saes20240227	Mr.	Rikuto	Tanaka	Kyusyu Institute of Technology
P31	saes2024-p0186	Computer Science II	B	Poster presentation	saes20240230	Mr.	Naoki	Tanaka	Kyushu Institute of Technology
P32	saes2024-p0187	Computer Science II	B	Poster presentation	saes20240232	Mr.	Koshi	Ono	Kyushu Institute of Technology
P33	saes2024-p0189	Computer Science II	B	Poster presentation	saes20240229	Mr.	Shumpei	Yoshikawa	Kyushu Institute of Technology
P34	saes2024-p0013	Engineering & Technology I	A	Poster presentation	saes20240057	Mr.	Ibuki	Tanaka	Kyushu Institute of Technology
P35	saes2024-p0014	Engineering & Technology I	A	Poster presentation	saes20240055	Mr.	Yuto	Morita	Kyushu Institute of Technology
P36	saes2024-p0033	Engineering & Technology I	A	Poster presentation	saes20240074	Mr.	kazuhiko	akata	Kyushu Institute of Technology
P37	saes2024-p0055	Engineering & Technology I	A	Poster presentation	saes20240073	Mr.	Keita	Ishibashi	Kyushu Institute of Technology
P38	saes2024-p0083	Engineering & Technology I	A	Poster presentation	saes20240138	Professor	Siti Anom	Ahmad	Universiti Putra Malaysia
P39	saes2024-p0084	Engineering & Technology I	A	Poster presentation	saes20240137	Mr.	Ryunosuke	Someya	Kyushu Institute of Technology
P40	saes2024-p0104	Engineering & Technology I	A	Poster presentation	saes20240155	Mr.	Keitaro	Yanase	Kyushu Institute of Technology
P41	saes2024-p0118	Engineering & Technology I	A	Poster presentation	saes20240166	Mr.	Ryosuke	Omura	Kyushu Institute of Technology
P42	saes2024-p0119	Engineering & Technology I	A	Poster presentation	saes20240127	Associate Professor	Bo	Yang	Kyushu Institute of Technology
P43	saes2024-p0131	Engineering & Technology I	A	Poster presentation	saes20240177	Mr.	Natee	Buttawong	Kyushu Institute of Technology
P44	saes2024-p0132	Engineering & Technology I	A	Poster presentation	saes20240182	Mr.	Taichi	Uehara	Kyushu Institute of Technology
P05	saes2024-p0041	Engineering & Technology I	A	Poster presentation	saes20240089	Ms.	Honami	Uchida	Kyushu Institute of Technology
P45	saes2024-p0135	Engineering & Technology II	B	Poster presentation	saes20240175	Mr.	Kota	Nakashima	Kyushu Institute of Technology
P46	saes2024-p0137	Engineering & Technology II	B	Poster presentation	saes20240050	Mr.	Kaito	Sagara	Kyushu Institute of Technology
P47	saes2024-p0148	Engineering & Technology II	B	Poster presentation	saes20240188	Mr.	Ryo	Terashima	Kyusyu Institute of Technology
P48	saes2024-p0149	Engineering & Technology II	B	Poster presentation	saes20240174	Mr.	Sakito	Koshina	Kyushu Institute of Technology
P49	saes2024-p0150	Engineering & Technology II	B	Poster presentation	saes20240190	Mr.	Ryohei	Kobayashi	Kyushu Institute of Technology
P50	saes2024-p0161	Engineering & Technology II	B	Poster presentation	saes20240200	Mr.	Yuta	Ohno	Kyushu Institute of Technology
P51	saes2024-p0164	Engineering & Technology II	B	Poster presentation	saes20240203	Ms.	Intan	Hasan	Universiti Putra Malaysia
P52	saes2024-p0184	Engineering & Technology II	B	Poster presentation	saes20240228	Mr.	Ryoga	Maruno	Kyushu Institute of Technology
~~P53~~	~~saes2024-p0199~~	~~Engineering & Technology II~~	~~B~~	~~Poster presentation~~	~~saes20240210~~	~~Assistant Professor~~	~~MOHD SALAHUDDIN~~	~~MOHD BASRI~~	~~Universiti Putra Malaysia~~
P53	saes2024-p0036	Engineering & Technology II	B	Poster presentation	saes20240085	Mr.	Satria	Anoraga	Universiti Putra Malaysia
P54	saes2024-p0202	Engineering & Technology II	B	Poster presentation	saes20240248	Professor	Zurina	Zainal Abidin	Universiti Putra Malaysia
P55	saes2024-p0207	Engineering & Technology II	B	Poster presentation	saes20240250	Ms.	Nur Aina	Mohammad Abdul Aziz	Universiti Putra Malaysia
P56	saes2024-p0004	Material Science I	A	Poster presentation	saes20240020	Mr.	JIAZE	SUN	Kyushu Institute of Technology
P57	saes2024-p0019	Material Science I	A	Poster presentation	saes20240068	Mr.	Xiong	Wang	Kyushu Institute of Technology
P58	saes2024-p0028	Material Science I	A	Poster presentation	saes20240047	Mr.	Chihiro	Iwashita	Kyushu Institute of Technology
P59	saes2024-p0035	Material Science I	A	Poster presentation	saes20240082	Ms.	Sushma	Thapa	Kyushu Institute of Technology
P60	saes2024-p0039	Material Science I	A	Poster presentation	saes20240025	Mr.	Reo	Kusaka	Kyushu Institute of Technology
P61	saes2024-p0047	Material Science I	A	Poster presentation	saes20240081	Mr.	Yuta	Yamagata	Kyushu Institute of Technology
P62	saes2024-p0056	Material Science I	A	Poster presentation	saes20240095	Mr.	Satoshi	Inoshita	Kyushu Institute of Technology
P63	saes2024-p0059	Material Science I	A	Poster presentation	saes20240109	Mr.	Yutaka	Sakurai	Kyushu Institute of Technology
P64	saes2024-p0060	Material Science I	A	Poster presentation	saes20240110	Mr.	Kota	Tanaka	Kyushu Institute of Technology
P65	saes2024-p0066	Material Science II	B	Poster presentation	saes20240048	Mr.	Kota	Nakanishi	Kyushu Institute of Technology
P66	saes2024-p0077	Material Science II	B	Poster presentation	saes20240006	Mr.	Seiya	Nagano	Kyushu Institute of Technology
P67	saes2024-p0078	Material Science II	B	Poster presentation	saes20240125	Mr.	Fumiya	Araki	Kyushu Institute of Technology
P68	saes2024-p0091	Material Science II	B	Poster presentation	saes20240141	Mr.	Igarashi	Takuto	Kyushu Institute of Technology
P69	saes2024-p0101	Material Science II	B	Poster presentation	saes20240005	Mr.	Sona	Tukamasu	Kyushu Institute of Technology
P70	saes2024-p0121	Material Science II	B	Poster presentation	saes20240158	Ms.	Chihori	Kamo	Kyushu Institute of Technology
P71	saes2024-p0124	Material Science II	B	Poster presentation	saes20240160	Mr.	Junwen	Wang	Kyushu Institute of Technology
P72	saes2024-p0155	Material Science II	B	Poster presentation	saes20240035	Mr.	Tsubasa	Sakiyama	Kyushu Institute of Technology
P73	saes2024-p0177	Material Science II	B	Poster presentation	saes20240221	Mr.	Keito	Hirayama	Kyusyu Institute of Technology

Organaized session by research centers

Coference room	OS Number	Key words	OS contents	Session Organizer	Research Center
Learning Commons !5th Nov OS1:9:55～11:40 OS1:13:00～14:40	OS1	Developments in Data Science and AI	We are pleased to invite you to submit a paper for the special organized session of SAES 2024 dedicated to developments in Data Science (DS) and Artificial Intelligence (AI). The technology of DS and AI has been developed to process, analyze and generate various types of data on computer such as texts, tables, graphs, signals and images with vast applications in natural language processing, image processing and bioinformatics, to name just a few. Unfortunately, it is sometimes difficult for researchers to get to know other researchers working on different aspects of the field spreading from theory to applications in various domains. The objective of this session is to put these researchers together and provide an open and informal opportunity to exchange their problems and ideas. The topics of this session include, but not limited to; Image processing, Visualization, Medical imaging, Bioinformatics and computational biology, Graph Algorithms, Optimization, Sensor Data Processing, Data mining, Information retrieval, Text searching and indexing, Natural language processing, Spoken language processing, Computational linguistics	Assocoate Prof. Tomohiro I tomohiro@ai.kyutech.ac.jp	Kyutech Data Science and AI Research Center

Web ID	Paper ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)	E-mail address
saes20240092	saes2024-p0043	Assistant Professor	Haibo	Zhang	Kyushu Institute of Technology	haibozl@ai.kyutech.ac.jp
saes20240062	saes2024-p0015	Professor	Kazuhiro	Takemoto	Kyushu Institute of Technology	takemotol@bio.kyutech.ac.jp
saes20240066	saes2024-p0108	Mr.	Koichi	Tanaka	Kyushu Institute of Technology	tanaka.kouichi231@mail.kyutech.jp
saes20240080	saes2024-p0073	Mr.	Natchapol	Shinno	Kyushu Institute of Technology	shinno.natchapol131@mail.kyutech.jp
saes20240152	saes2024-p0103	Mr.	Narumi	Kihara	Kyushu Institute of Technology	kihara.narumi101@mail.kyutech.jp
saes20240053	saes2024-p0032	Mr.	Yuki	Goou	Kyushu Institute of Technology	goou.yuki508@mail.kyutech.jp
saes20240063	saes2024-p0040	Mr.	Kodai	Takano	Kyushu Institute of Technology	takano.kodai735@mail.kyutech.jp
saes20240143	saes2024-p0093	Mr.	kento	iseri	Kyushu Institute of Technology	iseri.kento210@mail.kyutech.jp
saes20240093	saes2024-p0094	Mr.	Shunichi	Tanaka	Kyushu Institute of Technology	syunichi.tanaka506@mail.kyutech.jp
saes20240044	saes2024-p0128	Mr.	Yusei	Ariyoshi	Kyushu Institute of Technology	ariyoshi.yusei740@mail.kyutech.jp

Coference room	OS Number	Key words	OS contents	Session Organizer	Reserch Center
Nakamura Memorial Hall 2F !5th Nov 9:20-11:20	OS2	Neuromorphic AI Models, Materials, Circuits, and Applications	We invite you to submit a paper for the special session, "Neuromorphic AI Models, Materials, Circuits, and Applications" in SAES2024. Although current AI technologies based on deep learning have achieved remarkable results in various tasks, we face some problems, such as difficulty training from a little training data and considerable power consumption. Neuromorphic AI hardware inspired by the biological brain can be one of the solutions to the problems because humans can learn from few experiences to acquire episodic memories and the brain consumes low power. Especially, studies utilizing dynamics latent in materials for computation have a big potential of realization for the neuromorphic AI hardware and they are expected to be utilized in edge AI, such as mobile robots and autonomous driving systems. The objective of this session is to provide an open and informal atmosphere for discussion studies related to neuromorphic AI hardware and we call for presentations regarding (but not limited); /Neuromorphic AI model /Material science for neuromorphic AI /Digital/analog circuits for neuromorphic AI /Applications of neuromorphic AI	Associate Prof. Yuichiro Tanaka tanaka-yuichiro@brain.kyutech.ac.jp	Research Center for Neuromorphic AI Hardware

Web ID	Paper ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)	E-mail address
saes20240170	saes2024-p0146	Ms.	SAMAPIKA	MALLIK	Kyushu Institute of Technology	mallik.samapika146@mail.kyutech.jp
saes20240202	saes2024-p0163	Associate Professor	Masanori	Takabayashi	Kyushu Institute of Technology	takabayashi@phys.kyutech.ac.jp
saes20240233	saes2024-p0188	Assistant Professor	Hideaki	Ishibashi	Kyushu Institute of Technology	ishibashi@brain.kyutech.ac.jp
saes20240049	saes2024-p0038	Associate Professor	Yuichiro	Tanaka	Kyushu Institute of Technology	tanaka-yuichiro@brain.kyutech.ac.jp
saes20240058	saes2024-p0079	Associate Professor	Shuhei	Ikemoto	Kyushu Institute of Technology	ikemoto@brain.kyutech.ac.jp

Coference room	OS Number	Key words	OS contents	Session Organizer	Reserch Center
Main Hall 14th Nov 13:30~15:00	OS3	Underwater Robot and Technology	Because human activity is restricted underwater, underwater robots are often used for surveys and inspections. However, there are many disturbances underwater, such as ocean currents and turbulent currents, so it difficult to develop an underwater robot that can reliably perform the desired task. This session aims to realize underwater robots that can contribute to society, and discusses the elemental technologies related to underwater robot.	Associate Prof. Shinsuke YASUKAWA s-yasukawa@brain.kyutech.ac.jp	Center for Future Society Implementation for Robotics

Web ID	Paper ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)	E-mail address
saes20240007	saes2024-p0011	Mr.	Ryo	Miyakawa	Kyushu Institute of Technology	miyakawa.ryo116@mail.kyutech.jp
saes20240021	saes2024-p0030	Mr.	Daichi	Kawamichi	Kyushu Institute of Technology	kawamichi.daichi971@mail.kyutech.jp
saes20240064	saes2024-p0034	Mr.	BINGQI	HUANG	Kyushu Institute of Technology	youngandwild969@outlook.com
saes20240024	saes2024-p0072	Assistant Professor	Daigo	Katayama	Kyushu Institute of Technology	katayama@brain.kyutech.ac.jp

Coference room	OS Number	Key words	OS contents	Session Organizer	Reserch Center
Houryu Kaikan 14th Nov 13：30－14：30	OS4	Science by Using Space Technology	We are pleased to invite you to submit a paper in SAES for the science by using space technology. Science related to space technology is evolving to meet new demands in many applications. The objective of this session is to provide an open and informal atmosphere for discussion in science related to space technology. In this session, the researchers will exchange their information to discuss the current state and future of science and space technology. This session will focus on research and development for science and technology, including (but not limited); /CubeSat /Data science /Earth observation /Space weather /Astronomy /Machine learning	Assistant Prof. Necmi Cihan Orger orger.necmi-cihan397@mail.kyutech.jp	Laboratory of Lean Satellite Enterprises and In-orbit Experiments (LaSEINE)

Web ID	Paper ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)	E-mail address
saes20240061	saes2024-p0029	Mr.	Soushi	Fukuda	Kyushu Institute of Technology	fukuda.soushi252@mail.kyutech.jp
saes20240100	saes2024-p0049	Ms.	Enkhmend	Ochirsukh	Kyushu Institute of Technology	ochirsukh.enkhmend501@mail.kyutech.jp
saes20240106	saes2024-p0058	Mr.	Ratatamanun	Subsinchai	Kyushu Institute of Technology	subsinchai.ratatamanun895@mail.kyutech.jp

Coference room	OS Number	Key words	OS contents	Session Organizer	Reserch Center
Main Hall 14th. Nov 15:10~17:10	OS5	Synthetic Biotechnology	We are pleased to invite you to submit a paper in SAES for the synthetic biotechnology. Life science research increasingly requires a synthetic approach to understand biological phenomena. The objective of this session is to introduce the research of the Center for Synthetic Biotechnology at Kyutech and to discuss the development of the basic technologies related to synthetic biology. /Synthetic biotechnology /Life science /Bioinformatics /Biotechnology /Bio-imaging /Biochemistry	Prof. Yusuke V. Morimoto yvm001@phys.kyutech.ac.jp	Research Center for Synthetic Biotechnology

Web ID	Paper ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)	E-mail address
saes20240052	saes2024-p0012	Dr.	Noor Syamila	Othman	Biogenes Technologies Sdn Bhd	noorsyamila@biogenestech.com
		Lecturer	Noor Baity	Binti Saidi	Universiti Putra Malaysia	norbaity@upm.edu.my
saes20240070	saes2024-p0100	Mr.	Yosuke	Ochi	Kyushu Institute of Technology	ochi.yosuke110@mail.kyutech.jp
saes20240075	saes2024-p0026	Assistant Professor	Khaled	Metwally	Faculty of Agriculture, Ain Shams Universit	khaleda.fatah@agr.asu.edu.eg
saes20240008	saes2024-p0009	Professor	Yusuke	Morimoto	Kyushu Institute of Technology	yvm001@phys.kyutech.ac.jp

Coference room	OS Number	Key words	OS contents	Session Organizer	Reserch Center
Houryu Kaikan 14th Nov 14:45-16:15	OS6	Strengthening International Collaboration for Mitigating Global Warming	We are pleased to announce you to give presentations to the SAES special session focused on international collaboration to mitigate global warming. As global challenges like climate change and microplastic pollution transcend national borders, it is imperative for researchers worldwide to unite their efforts. This session aims to explore our collective role and the current state of research in addressing these critical environmental issues. By introducing ongoing research, particularly in reducing greenhouse gas emissions and tackling microplastic pollution, we hope to inspire and involve universities and researchers from across the globe in joint efforts to develop sustainable solutions. Through collaborative discussions, we seek to lay the groundwork for impactful partnerships that will contribute meaningfully to the fight against climate change. This session will focus on topics including but not limited to; Global warming mitigation strategies Microplastic reduction technologies Sustainable material development International environmental collaborations Circular economy approaches	Assoc. Prof. Yoshito Ando yando@life.kyutech.ac.jp	Collaborative Research Centre for Green Materials on Environmental Technology

Web ID	Paper ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)	E-mail address
saes20240194	saes2024-p0210	Associate Professor	Yoshito	Andou	Kyushu Institute of Technology	yando@life.kyutech.ac.jp
saes20240236	saes2024-p0192	Associate Professor	Yuki	Shirosaki	Kyushu Institute of Technology	shirosaki.yuki916@mail.kyutech.jp
		Professor	Toshinari	Maeda	Kyushu Institute of Technology	toshi.maeda@life.kyutech.ac.jp

Coference room	OS Number	Key words	OS contents	Session Organizer	Reserch Center

3-1A 15th Nov 9:20-11:20	OS7	Thermal and Related Energy Systems	Energy harvesting and saving technologies catch the significant attention in the thermal management society due to the increase in the power to drive electronic devices and generated heats. The industry requires the novel thermal engineering technology for efficient heat dissipation, thermal insulation, and thermoelectric generation. In addition, integration of thermal management and related energy systems such as photoenergy conversion will be important for efficient energy utilization. Novel materials for these systems are also required. This session focus in research and development of thermal energy engineering including a wide variety of related energy systems such as thermoelectric conversion device and solar energy technology. The session will be composed of four oral papers, and related posters. We call for posters which are open for all the participants of SAES. We are planning to provide the session's poster award, which is independent of the award provided by the conference organizers. If you want to nominate, please contact the organizer. /Heat spreading and cooling devices /Thermal insulators /Thermoelectric conversion devices /Nanoscale heat transfer /Radiation energy transfer /Mass transport phenomena	Prof. Takashi Kodama kodama.takashi477@mail.kyutech.jp	Integrated research for energy and enviroment advanced technology

Web ID	Paper ID	Title	First/Given Name	Last/Family Name	Affiliation (Name of your institution)	E-mail address
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