

TIME(JP)		MAIN CONFERENCE ROOM				
9:00	- 9:30	Welcome and Opening Ceremony 9:00 - 9:10 Greetings from the president of Anan College, Dr. Kei Hirayama 9:10 - 9:30 Greetings from NUU, President of NUU, Prof. Woel-Shyan Lee				
9:30	- 10:00	Keynote Speech: Speech from the Vice President of NUU, Prof. Hsuan-Teh Hu				
		ROOM1	ROOM2	ROOM3	ROOM4	ROOM5
		Session 1-1: Mechanical Engineering I Moderator: Dr. Yusaku MAEDA, NIT, Kagawa College and Dr. Bor-Liang Chen, National United University	Session 2-1: Chemistry and BioChemistry, Materials Science Moderator: Prof. Kenji SUGIMOTO, NIT, Ube College and Dr. Yin-Hung Lai, National United University	Session 3-1: Electrical and Electronics Engineering I Moderator: Prof. Shiro NAGAOKA, NIT, Kagawa College and Dr. Yung-Ping Chou, National United University	Session 4-1: Architecture, Civil and Environmental Engineering I Moderator: Dr. Ryushi KIMURA, NIT, Kochi College and Dr. Hsin-Liang Huang, National United University	Session 5-1: Linguistics , Language Education, and culture I Moderator: Prof. Akira SUGIYAMA, NIT, Tsuyama College and Dr. Chen-Chi Chang, National United University
10:15	- 10:30	Laser Quenching of Carbon Steel and Observation, ○Shinnosuke Yanagawa, NIT, Anan College Koji Nishimoto, NIT, Anan College Yoshihiro Okumoto, NIT, Anan College Takeshi Yasuda, NIT, Anan College	Glucose detection in synthetic serum by liquid chromatography-tandem mass spectrometry, ○Yuan-Zhang Xu, National United University Yin-Hung Lai, National United University	Identification of Radiation Tracks Generated in a Cloud Chamber Using a Deep, ○Tatsuki Ando, NIT, Kagawa College, Yusuke Shimazaki, NIT, Kagawa College	Enhanced adsorption of Cu(II) and Cr(VI) by ILs/biochar, ○Chao-Ho Wu, National United University Hsin-Liang Huang, National United University	Japanese, Chinese, onomatopoeia comparison, ○Morimoto Juri, NIT, Tsuyama College Tsumugi Morimura, NIT, Tsuyama College
10:30	- 10:45	Bifurcation analysis of bubble-induced convection in a horizontal liquid layer, ○Kataro Nakamura, NIT, Ube College Harunori N. Yoshikawa, Université Côte d'Azur Yuji Tazaka, Hokkaido University Yuichi Murali, Hokkaido University	Innovative photo-induced fragmentation for mass spectrometric structural identification of disease-related glycans, ○Shih-Hong Leung, National United University Pei-Hung Chang, National United University	Development of an ultrasonic radar for detection of small animals, ○Haruki Fukita, NIT, Kagawa College Koji Misaki, NIT, Kagawa College Hirotaki Kuroda, NIT, Kagawa College Takashi Kawakubo, NIT, Kagawa College	Removal of anion ions from water with modified biochar, ○Ling-Syuan Zeng, National United University Hsin-Liang Huang, National United University	Production of Japanese Chinese Technical Term Dictionary, ○Yoshihiro Noda, NIT, Niihama College Feifei Cho, NIT, Tsuyama College Guanshen Fang, NIT, Tsuyama College
10:45	- 11:00	Experimental study on the effect of blade pitch angle on power generation of counter-rotating-propeller wind turbine, ○Yugo Oki, NIT, Kagawa College Yoshihumi Jodai, NIT, Kagawa College Yutaka Hara, Tottori University	Relationship between the virus concentration in the inflow water to sewage treatment plants in Yamaguchi Prefecture and the number of infected people, ○Aika Murata, NIT, Ube College Wakako Kobayashi, NIT, Ube College Yoichi Takata, NIT, Ube College Shigeyoshi Nakamura, NIT, Ube College Chieko Hamamoto, NIT, Ube College Siti Aisyah Mokhtar, NIT, Ube College Kensuke Yoshinaga, NIT, Kumamoto College Kenji Sugimoto, NIT, Ube College	Characteristics of narrowband light detection of organic position sensitive detectors, ○Naoki Takai, NIT, Kagawa College Shota Manabe, NIT, Kagawa College Ayumu Nagakawa, NIT, Kagawa College Saki Mitsui, NIT, Kagawa College Taichiro Morimune, NIT, Kagawa College Hirotake Kajii, Osaka University Hiroshi Murakami, NIT, Kagawa College Kiyohito Fukuda, NIT, Kagawa College Shiho Tokutake, NIT, Kagawa College	Development of Training Materials using 3D Printing for Employment Support and Popularization of Inclusive Design, ○Kanata SOEDA, NIT, Tokuyama College Akemi EMOTO, NIT, Tokuyama College Hazuki FUKUDA, Tosoh Corporation	English Expressions in Playing Sports: A Preliminary Investigation for Inventing A Language Learning Program through Exports, ○Ryuta FUKUI, NIT, Anan College
11:00	- 11:15	AE Monitoring and Analysis of Laser Quenching, ○Yoshiki Izumi, NIT, Anan College Koji Nishimoto, NIT, Anan College Yoshihiro Okumoto, NIT, Anan College Takeshi Yasuda, NIT, Anan College	Identification of carbon of seaweed and seagrass origin using the relationship between eDNA and carbon contents in sediment, ○Haruna Fukumitsu, NIT, Ube College Wakako Kobayashi, NIT, Ube College Yoichi Takata, NIT, Ube College Kensuke Yoshinaga, NIT, Kumamoto College Kenji Sugimoto, NIT, Ube College	Characteristics of Semitransparent Organic Position Sensitive Detector, ○Ayumu Nagakawa, NIT, Kagawa College Saki Mitsui, NIT, Kagawa College Shota Manabe, NIT, Kagawa College Naoki Takai, NIT, Kagawa College Taichiro Morimune, NIT, Kagawa College Hirotake Kajii, Osaka University Hiroshi Murakami, NIT, Kagawa College Kiyohito Fukuda, NIT, Kagawa College Shiho Tokutake, NIT, Kagawa College	State Shinto and the Japanese Colonial Shinto Shrines in Taiwan, ○Jung Len Tsai, National United University	Exploration on Integrating AI Robot Technology into Hakka Language Instruction, Chen-Chi Chang, National United University ○Ming-Long Tsai, National United University Yi-Ka Zhao, National United University
11:15	- 11:30	Development of roller-type transfer system for bedridden elderly and disabled people, ○Keisei KATO, NIT, Tsuyama College Endo Ryouta, NIT, Tsuyama College Feifei Cho, NIT, Tsuyama College Takumi Kobayashi, Okayama University of Science Tetsuya Akagi, Okayama University of Science	Development of the Cholesterol Liquid Crystal Sensor for Rapid Measurement of the Volatile Organic Compounds in Atmosphere and Liquid Environments, ○Ting-Hui Lee, National United University Yu-Zhen Qiu, National United University Kuan-Po Chao, National United University Jia-Hong Kuo, National United University Ruey-Fang Yu, National United University	Phase Difference and Reflection Angle for Interdigital and Multi-Via Metasurface Reflector, ○Taisei Urakami, NIT, Kagawa College Akira Ono, NIT, Kagawa College Takahiro Shiozawa, NIT, Kagawa College	Distribution of Feeding-damaged of Fish and Birds using eDNA in the Seto Inland Sea, ○Asami OGURA, NIT, Kure College Wakako KOBAYASHI, NIT, Ube College Kenji SUGIMOTO, NIT, Ube College Kensuke YOSHINAGA, NIT, Kumamoto College	A Preliminary Study on Tourism Leisure Industry and Regional Revitalization Strategies - Case Study of Yilan Toucheng Leisure Farm, ○Tsai Fu-Chen, Yuan Ze University, Lin Yi-Ping, National Taipei University of Education
11:30	- 11:45	Development of a low back support including upper body section for caregivers, ○Kiyosuke Osada, NIT, Tsuyama College Ikuya Maruyama, NIT, Tsuyama College Feifei Cho, NIT, Tsuyama College	Study on the application of biochar material prepared from Mikania micrantha in the catalytic removal of tar in the high-temperature gasification of biomass, ○You-Lin Wu, National United University Jia-Hong Kuo, National United University Kuan-Yu Lu, National United University	Improvement of spurious response of the microstrip low pass filter, ○Ryosuke Yamashita, NIT, Kagawa College Yusuke Kusama, Toyo University	The Roles of Product Form Factors and Form Treatments for Employment Support and Popularization of Inclusive Design, ○Lee, Chieh-Ju, National United University Chang, Chien-Cheng, National United University	A Preliminary Study on the Connotation and Preliminary Investigation for Inventing A Language Learning Program through Exports, ○Lee, Chieh-Ju, National United University Lee, Chu-Hsuan, National United University
11:45	- 12:00	Attenuation characteristics of anion, cation and saccharides concentration of fine particulate matter in air, ○Yan-He Chen, National United University You-Li Yan, National United University		Visualization for Institutional Data Regarding Student Recruitment, ○Yung-Ping Chou, National United University Zong-Yang Lin, National United University		A Revised Subject "English I" in Tsuyama Kosen, Yumi YAMAGUCHI, NIT, Tsuyama College ○Hidenobu HORI, NIT, Tsuyama College Hitoshi YAMAGUCHI, NIT, Tsuyama College
12:00	- 13:00	Lunch & Break (12:00-13:00)				
13:00	- 13:30	Poster Session (13:00-13:30)				
13:45	- 14:45	Student Communication Session (13:45-14:45)				
		ROOM1	ROOM2	ROOM3	ROOM4	ROOM5
		Session 1-2: Mechanical Engineering II Moderator: Prof. Yoshihumi Jodai, NIT, Kagawa College and Dr. Chien-Cheng Chang, National United University	Session 2-2: Engineering Education Moderator: Prof. Norihiko Harada, NIT, Tokuyama College and Dr. Chung-Sheng Lee, National United University	Session 3-2: Electrical and Electronics Engineering II Moderator: Mr. Shota Uchino, NIT, Anan College and Dr. Shen-Li Chen, National United University	Session 4-2: Architecture, Civil and Environmental Engineering II Moderator: Dr. Yutaka Tada, NIT, Anan College and Dr. Kun-Sen Chang, National United University	Session 5-2: Linguistics , Language Education, and culture II Moderator: Mr. Ryuta Fukui, NIT, Anan College and Dr. Chen-Chi Chang, National United University
15:00	- 15:15	Development of walking support system for visually impaired people, ○Feifei Cho, NIT, Tsuyama College Masatoshi Kihara, NIT, Tsuyama College Sara Naganuma, NIT, Tsuyama College	Development of a table type board-game for Japan Situation Teaching, ○Masayoshi HASAMA, NIT, Ube College Manabu HATAMURA, NIT, Ube College	Development of Jupiter Radio Receiver System with LWA-Japan in Support of KOSEN-1 CubeSat, ○Aoi Hatano, NIT, Niihama College Masafumi Imai, NIT, Niihama College Kazumasa Imai, NIT, Kochi College	Research on wet part detection technology for river embankments using a thermal camera, ○Shota Matsuda, NIT, Kochi College	English education via through Culture Training in the English Classes for Students Majoring in Engineering, ○Ken Ichikawa, NIT, Kagawa College
15:15	- 15:30	Prototype of a flexible roller mobility system hardware section for the bedridden elderly and disabled people, ○Ryota Endo, NIT, Tsuyama College Keisei Kato, NIT, Tsuyama College Feifei Cho, NIT, Tsuyama College	Development of teaching materials for optical absorption measurement using AR, ○Shiho Tokutake, NIT, Kagawa College Taichiro Morimune, NIT, Kagawa College Hiroshi Murakami, NIT, Kagawa College Kiyohito Fukuda, NIT, Kagawa College	A Proposal and Feasibility Study of the Simplified CMOS FET Fabrication Process by PALL Method, ○Natsuki Waka, NIT, Kagawa College Shiro Nagaoka, NIT, Kagawa College	From the perspective of the elderly analyze the care center for the elderly, ○Xu Hui-Jun, RC, National United University Chen Ting-An, CDM, National United University Hu Yu-Ning, CDM, National United University	The Service Design for a Campus Dialogue Robot, Chen-Chi Chang, National United University ○Yao-Jung Tung, National United University Xing-Ray Yang, National United University
15:30	- 15:45	Study on structure of tactile display capable of presenting texture of material and trial manufacture of Pixel, ○Hirotro Yoshida, NIT, Kagawa College Yusaku Maeda, NIT, Kagawa College, Kagawa University	Development of an Educational Tool in Physics Reproducing Nuclear Elastic Collision by Using Hard Spheres, ○Yusuke Shimazaki, NIT, Kagawa College Tatsuki Ando, NIT, Kagawa College	ESD Protection Study of Ultra-high Voltage LDMOS Device's Applications, ○Jhong-Yi Lai, National United University Shen-Li Chen, National United University Tien-Yu Lan, National United University Yu-Jie Zhou, National United University Shi-Zhe Hong and Zhi-Wei Liu, National United University	Transformation of hazardous incineration fly ash into recyclable glass toward circular economy, ○Kung-Pin Chiu, National United University Kun-Sen Chang, National United University Hsiao-Lun Huang, National United University Cing-Shan Huang, National United University Chi-Wen Huang, National United University Chen-Han Luo, National United University	Research on Business and Management Models of Artwork Electronic Commerce Since 2000: A Cross-national Analysis, ○Cheng-Lin CHANG, National United University
15:45	- 16:00	Power transmission performance of axial field acceleration magnetic gear, ○Michinobu Yanada, NIT, Anan College Tomoki Harano, NIT, Anan College Yuta Takahashi, NIT, Anan College	A Study of Automatic Driving Control Method by Image Processing with Sensor, ○JunWoo Choi, NIT, Kagawa College Shiro Nagaoka, NIT, Kagawa College Jong-O Kim, Dongyang Mirae University	ESD-capability improvement of the Embedded Horizontal SCR Modulation for HV pLDMOS Devices, ○Zhi-Wei Liu, National United University Shen-Li Chen, National United University Sheng-Kai Fan, National United University Shi-Zhe Hong, National United University Tien-Yu Lan, National United University Yu-Jie Zhou, National United University Jhong-Yi Lai, National United University	Development of measurement method for flood flow condition using UAV in the actual river, ○Ryota Yamasaki, NIT, Kochi College, NIT, Kochi College Shoji Okada, NIT, Kochi College, NIT, Kochi College	Comprehensive Care for the New Life: Research on the Long-term Care Manpower Insufficiency, Junne-Ning Hwang, National United University ○Yi-Wen Fan, National United University Yu-Tzu Hsu, National United University Yan-Ling Ho, National United University Hsiang-Ling Wang, National United University
16:00	- 16:15	Design and manufacture of structural color type 3-axis tactile sensor for organ grasping and slip detection of medical forceps, ○Umii Hirose, NIT, Kagawa College Yusaku Maeda, NIT, Kagawa College, Kagawa University Hidekuni Takao, Kagawa University	Enhancing KOSEN Education in Planetary Radio Science through the Development of KOSEN-1 CubeSat, ○Masafumi Imai, NIT, Niihama College KOSEN-1 Team	Field automatic drainage control system utilizing IoT, ○Jin Inoue, NIT, Anan College Takashi Matsumoto, NIT, Anan College Mio Kobayashi, NIT, Anan College	The Influence of product form features on Consumer Preference and image perceptions of Silver Spoon Design, ○Chang, Chia-Sheng, National United University Chang, Chien-Cheng, National United University	The difference between Chinese physical and online course: Chinese online course design of Japanese short-term study tour group, ○Chang Li An, National United University
16:15	- 16:30	Discussion on the styling aesthetics and structural strength of the inclined angle of the legs of the bench, ○JEN, CHIH-HUA, National United University JHANG, JIAN-CHENG, National United University		Effect of Parameters on Electric Field and Temperature Distribution of a microchannel by microwave irradiation, ○Ren Sonoda, NIT, Tsuyama College Toshiro Kobayashi, NIT, Tsuyama College Issai Nagami, NIT, Tsuyama College		Miaoli Country? The Strangeness and Uniqueness of Miaoli County in the Vision of Taiwan College Students, ○Shu Fang Kao, National United University
16:45	- 17:00	Closing Ceremony				

Poster Session Papers

No.	Fid.	Spatial Chat Room	Title	Authors
01	Ar	R01	Prediction of Inflow into Nagase Dam by Machine Learning Construction of a model and study of its usefulness	Keigo Ikeda, NIT, Kochi College
02	Ar	R01	Future of Tokushima Housing Design	Kengo Matsunaga, NIT, Anan College, Yutaka Tada, NIT, Anan College
03	Ar	R01	SVV (Students VS Vacant house)	Haruka Izumi, NIT, Anan College, Ryosuke Tanaka, NIT, Anan College, Taiki Fujikawa, NIT, Anan College, Yutaka Tada, NIT, Anan College
04	Ar	R01	DIY Limit	Kiyoto Hayashi, NIT, Anan College, Yutaka Tada, NIT, Anan College
05	Ar	R01	Why Carpenters Are Not Popular With Young People	Sota Nakagawa, NIT, Anan College, Yutaka Tada, NIT, Anan College
06	Ar	R01	DIY Dormitory Innovation	Shinnosuke Tominaga, NIT, Anan College, Yutaka Tada, NIT, Anan College
07	Ch	R02	The relationship between thermal effect and structure of Bi-Zn-B glass	Sung-Hung Lan, National United University, Chin Tung Lee, National United University, Daoyi Wang, Dean Uan Liu, National United University, S.W. Yung, National United University
08	Ch	R02	Cationic Iridium-Catalyzed Enantioselective Hydroacylation	Sumire Yoshioka, NIT, Kochi College, Tomoya Iwasaki, NIT, Kochi College, Tomohiko Shirai, NIT, Kochi College
09	Co	R02	Abnormal sound detection of clogged pipes using one class SVM	Wataru Tsunomoto, NIT, Ube College, Fumiaki Ehara, NIT, Ube College
10	Co	R02	Implementation of bicycle accident prevention system by using smartphone with Lidar sensors	Jaesoon Jeong, Yeungjin University, Youngchul Jung, Yeungjin University
11	Co	R02	A Study of Abnormality Detection System for Bearing Sounds Using AutoEncoder	Koki Yamashita, NIT, Ube College, Fumiaki Ehara, NIT, Ube College
12	Co	R02	Machine learning parameter selection for the abnormality detection of bearing sound	Yuya Hashizaki, NIT, Ube College, Fumiaki Ehara, NIT, Ube College
13	Ed	R03	Long-term monitoring using a time-lapse camera at the Monobe River estuary	Ryuya Takeda, NIT, Kochi College
14	Ed	R03	Spread of Downsizing Houses	Ota Akane, NIT, Anan College, Tada Yutaka, NIT, Anan College
15	EI	R03	Photo-response properties of organic photodetectors using inverted device structure	Saki Mitsui, NIT, Kagawa College, Ayumu Nagakawa, NIT, Kagawa College, Shota Manabe, NIT, Kagawa College, Naoki Takai, NIT, Kagawa College, Taichiro Morimune, NIT, Kagawa College, Hirotake Kajii, Osaka University, Hiroshi Murakami, NIT, Kagawa College, Kiyohito Fukuda, NIT, Kagawa College, Shiho Tokutake, NIT, Kagawa College
16	EI	R03	Characteristics of organic position sensitive detectors using PEDOT:PSS as a surface resistive layer	Shota Manabe, NIT, Kagawa College, Naoki Takai, NIT, Kagawa College, Saki Mitsui, NIT, Kagawa College, Ayumu Nagakawa, NIT, Kagawa College, Taichiro Morimune, NIT, Kagawa College, Hirotake Kajii, Osaka University, Hiroshi Murakami, NIT, Kagawa College, Kiyohito Fukuda, NIT, Kagawa College, Shiho Tokutake, NIT, Kagawa College
17	EI	R03	Optimizing the design of microchannel using microwave heating simulation	Issel Nagami, NIT, Tsuyama College Toshiro Kobayashi, NIT, Tsuyama College Ren Sonoda, NIT, Tsuyama College

Method: teams online, one day session

Date: Thursday, September 2, 2021

Schedule: Opening Ceremony, Keynote Speech, Individual Presentation 1, Student • Communication Session, Individual Presentation 2, Closing Ceremony. The schedule is Japan local time.

The opening ceremony, keynote speeches, and closing ceremony will be held on the main channel.

In the Student Communication Session, breakout rooms will be used to assign themes for SDGs and group work will be conducted to make a few slides of Power Point. In the Student Communication Session, we will use the breakout room to assign SDGs themes for group work. Each group will be supported by a faculty coordinator. After the group work, all students will return to the main channel of the Student Communication Session to give a short presentation and share the results.