List of Paper of ISFT-2019

23rd - 26th August 2019, Ambassador Jomtien Pattaya, Thailand

Paper ID	Title, Author and Affiliation
2	"Parametric study of twisted tape insert on the heat transfer characteristics in a
	square tube under turbulent conditions"
	Shiva Kumar, Akshith Narayan N. and Rahul Nanda
	Department of Mechanical and Manufacturing Engineering, Manipal Institute of
	Technology, India
3	"Effect of Nanoparticles on the Performance of Paraffin Phase Change Material
	Thermal Storage System"
	Dinesha P., Nikhil Chandra K. and Shrivathsa Nelly Bhat
	Department of Mechanical and Manufacturing Engineering, Manipal Institute of
	Technology, India
4	"Building Energy Consumption Modelling and Verification with Sensitivity
	Analysis"
	Sanghyuk Lee, Kyeong Soo Kim
	Department of Electrical and Electronic Engineering, Xi'anJiaotong-Liverpool
	University, Suzhou, China
5	"A Facile and Efficient Synthesis of $oldsymbol{eta}$, $oldsymbol{eta}$ -Dihalo- $oldsymbol{eta}$ -nitroethyl Alkyl Ethers via
	Direct Dihalo-alkoxylation of Nitroalkenes"
	FeiyueHao ¹ , NagatoshiNishiwaki ²
	¹ School of Pharmaceutical and Materials Engineering, Taizhou University,
	Jiaojiang ,China
	² School of Environmental Science and Engineering, Kochi University of Technology,
	Kochi, JAPAN
6	"Effects of Water-to-Methanol Ratio on the Properties of Titanium Dioxide Thin
	Films Prepared by Mist Chemical Vapor Deposition"

	Qiang Zhang ¹ and Chaoyang Li ²
	¹ School of Systems Engineering, Kochi University of Technology, Kochi, Japan
	² Center for Nanotechnology, Kochi University of Technology, Kochi, Japan
7	"Small hydro potential resources for electricity generation: Prospective benefits
	and barriers in selected northern locations of Thailand"
	Prachuab Peerapong
	Department of Electrical Engineering, Faculty of Engineering. Bangkokthonburi
	University, Bangkok, Thailand
8	"Effect of Electron Confinement on Field Effect Mobility and Reliability of
	Amorphous In–Ga–Zn–O Thin-Film Transistor with a Heterojunction Channel"
	Daichi Koretomo ¹ , Shuhei Hamada ² and Mamoru Furuta ³
	¹ Engineering Course, Kochi University of Technology, Kochi, Japan
	² Material Science and Engineering, Kochi University of Technology, Kochi, Japan
	³ Engineering Course, Material Science and Engineering, Center for nanotechnology
	Research Institute, Kochi University of Technology, Kochi, Japan
9	"Origin of Schottky diode properties in In GaZnO/AgxO oxide hetero interface"
	Yusaku Magari ¹ , Hisao Makino ² and Mamoru Furuta ²
	¹ Graduate School of Engineering, Kochi University of Technology, Kochi, Japan
	² Center for Nanotechnology, Kochi University of Technology, Kochi, Japan
10	"Development and Analysis of CNN-based Computer Players for Game 2048"
	Kiminori Matsuzaki
	School of Information, Kochi University of Technology, Kochi, Japan
11	"Analysis on the Operation Model of Agribusiness: ADM comparison with
	Beidahuang"
	ChenGuo ¹ and Daniel V. Rainey ²
	¹ College of Economics and Management, Harbin University of Science and
	Technology, Harbin, China
	² Dale Bumpers College of Agricultural, Food and Life Sciences University of Arkansas
	Fayetteville, USA

12	"Seismic behavior comparison on multiple concrete filled steel tube structure
	joints"
	Jiaxin Wang, Lingyun Bi and Ying Wang
	School of Architecture & Civil Engineering Shenyang University of Technology
	Shenyang, China
13	"Heavily-blurred single image super-resolution using a very deep dynamic
	convolutional network without large-scale training"
	Zhen Zhang, Xianwei Rong, Cunyi Lin and Xiaoyan Yu
	School of Physics and Electronic Engineering, Harbin Normal University, Harbin, China
14	"Complex Text to Image Generation with Attention-enhancing Adversarial
	Learning Network"
	Cunyi Lin, Xianwei Rong, Zhen Zhang and Xiaoyan Yu
	School of Physics and Electronic Engineering, Harbin Normal University, Harbin, China
15	"Control of RONS Production in He Atmospheric Pressure Plasma Jet Using N2
	Sheath Gas Flow Covering He Gas Jet"
	Yuki Takino ¹ , Kotaro Ogawa ² , Hideki Yajima ² , Jun-Seok Oh ³ , Hiroshi Furuta ⁴ and
	Akimitsu Hatta ⁴
	¹ School of Systems Engineering, Kochi University of Technology, Kochi, Japan
	² ORC Manufacturing Co., Ltd. Nagano, Japan
	³ Department of Physical Electronics and Informatics, Osaka City University, Osaka,
	Japan
	⁴ Center for Nanotechnology, Research Institute of Kochi University of Technology.
	Kochi, Japan
16	"FPGA Implementation of Active Noise Control System"
	YUAN Jun, LV Weixi, LIU Dongxu and ZHANG Tao
	College of Electronics Engineering, Chongqing University of Posts and
	Telecommunications, Chongqing, China
17	"Self-organized structures for carbon nanotube forest metamaterials"
	Adam Pander, Takatsugu Onishi, Akimitsu Hatta and Hiroshi Furuta

	Electronic and Photonic System Engineering Department, Kochi University of
10	Technology, Kochi, Japan
18	"The relationship between surround stimuli retinal cone excitation contrasts
	with perceived red/green balance of a target"
	Tanner DeLawyer and Keizo Shinomori
	School of Information, Kochi University of Technology, Kochi, Japan
19	"The Development of a Low-cost Reversed Blood Flow Device for the Basic
	Intravenous Set"
	Nawinda Nakarawong, Charat Thothong, Namrin Rueang-ngam, Wongwit Senavongse,
	Manoon phomchit and Theerasak Chanwimalueang
	Department of Biomedical Engineering, Faculty of Engineering, Srinakharinwirot
	University, Nakhonnayok, Thailand
20	"Force Analysis on Knee during Rope Jumping Workout"
	Pattarapon Phangwipas, Jirakit Siripatrawan, Arjaree Ausavanonkulporn, Kanyakorn
	Areekul and Chamaiporn Sukjamsri
	Department of Biomedical Engineering, Faculty of Engineering, Srinakharinwirot
	University Nakhonnayok, Thailand
21	"The Effects of Substrate on the Properties of Zinc Oxide Nanostructures for
	Phosphors Application"
	Yudai Ueno ¹ , Qiang Zhang ¹ and Chaoyang Li ²
	¹ School of Systems Engineering, Kochi University of Technology, Kochi, Japan
	² Center of Nanotechnology, Kochi University of Technology, Kochi, Japan
22	"Discussions on the Innovative Operation Strategy of the Online Shops of
	Middle-sized Commercial Banks"
	Jing Kong ¹ and Xiuhai Jin ²
	¹ China Minsheng Bank, China
	² Minsheng Real Estate Ltd., Co, China
23	"An Approach of Marketing Task Assignment of Retail Banking with SEM"
	Jing Kong ¹ and Xiuhai Jin ²
	¹ China Minsheng Bank, China
L	<u> </u>

	² Minsheng Real Estate Ltd., Co, China
24	"Use of thermal plasmas for biomedical and agricultural applications"
	Vladislav Gamaleev, Mineo Hiramatsu and Masafumi Ito
	Department of Electrical and Electronic Engineering, Meijo University, Nagoya, Japan
25	"Metal- and gloss-perception and semantic-word evaluation in gold-, silver- and
	copper-gradation colored CG objects"
	Keizo Shinomori ¹ and Takumi Inoue ²
	¹ School of Information / Research Institute, Kochi University of Technology, Kochi,
	Japan
	² School of Information, Kochi University of Technology, Kochi, Japan
26	"Utilization of seismic activity infrasound signals to estimate wind in the
	atmosphere"
	Mario Batubara, Masa-yuki Yamamoto and Hiroaki Saito
	School of System Engineering, Kochi University of Technology, Kochi, Japan
27	"Investigation of SnO films deposited by DC reactive magnetron sputtering"
	Rostislav Velichko, Yusaki Magari and Mamoru Furuta
	Department of Engineering, Kochi University of Technology, Kochi, Japan
28	"Source Classification of natural and man-made infrasound events"
	I.H. Hamama ^{1,3} , MY. Yamamoto ¹ , I. M. Korrat ² , H. H. M. Hussein ³ and M. N. ElGabry ³
	¹ School of System Engineering, Kochi University of Technology, Kochi, Japan
	² Geology Department of Sciences, Mansoura University, Mansoura, Egypt
	³ National Research Institute of Astronomy and Geophysics (NRIAG), Helwan, Egypt
29	"Evaluating Stress Levels through a Compact Physiological Multimodal Data-
	Acquisition"
	Warunya Sitthiwanchai, Romthira Phruanin, Varisara rakpong, Pongpanod Poungrayar,
	Phuritat Nakaseno and Theerasak Chanwimalueang
	Deparment of Biomedical Engineering Srinakharinwirot University, Nakhon nayok,
	Thailand
30	"A Design of an Automatic Pulse Simulator for a Medical Training Model: an
	Artificial Central Line for Practicing Catheter Insertion"

	Benyapa Sukhachewanon ¹ , Daranee Srisuchinwong ¹ , Konchanok Vorasawad ¹ , Pichsinee
	Pattarasritanawong ¹ , Apichon Chintanasinton ² and Theerasak Chanwimalueang ¹
	¹ Department of Biomedical Engineering Srinakharinwirot University Nakhon nayok,
	Thailand
	² Medical & Engineering Co.,Ltd Chumphon, Thailand
31	"Electric-field distribution characteristics between multi-pin electrodes and
	planar counter electrode"
	Yottana Tanakaran and Khanit Matra
	Department of electrical engineering, Engineering faculty. Srinakharinwirot University,
	Nakhonnayok, Thailand
32	"Characteristics of corona discharges by multi-pin electrodes"
	Suphanat Nimbua, Chitsanupong Pluksa, Teerawat Temponsub, Phanuwat Thabin,
	and Khanit Matra
	Department of electrical engineering, Engineering faculty. Srinakharinwirot University,
	Nakhonnayok, Thailand
33	"Characteristics of Micro-arc Discharge in Sea Water at High Pressure"
	Shogo Ito ¹ , Hiroshi Furuta ² , Vladislav Gamaleev ³ and Akimitsu Hatta ²
	¹ Graduate School of Engineering, Kochi University of Technology, Kochi, Japan
	² Department of Electronics And Photonics Systems Engineering, Kochi University of
	Technology, Kami, Japan
	³ Electrical and Electronic Engineering, Meijo University, Nagoya, Japan
34	"Dynamic reconfiguration of default-mode submodules associates with memory-
	encoding performance"
	Ruedeerat Keerativittayayut ¹ , Ryuta Aoki ² , Koji Jimura ³ and Kiyoshi Nakahara ¹
	¹ School of Information and Research Center for Brain Communication, Kochi University
	of Technology, Kochi, Japan
	² Graduate School of Humanities, Tokyo Metropolitan University, Tokyo, Japan
	³ Department of Biosciences and Informatics, Keio University, Yokohama, Japan
35	"Fabrication and characterization of zinc oxide nanostructures for gas sensor
	applications"
	1

	Tetsuya Ueda ¹ , Chaoyang Li ² and Qiang Zhang ¹
	¹ School of System Engineering Kochi University of Technology, Kochi, Japan
	² Center for Nanotechnology Kochi University of Technology, Kochi, Japan
36	"Design Considerations for a Novel, Zero-Power, Orientation-Controlled,
	Magnetically Levitated Platform"
	James Lin, Koichi Oka and Akinori Harada
	Department of Intelligent Mechanical Systems Engineering, Kochi University of
	Technology, Kochi, Japan
37	"Warning system for rescue mission on LoRa Wan network"
	Thanaluk Pranekunakol and Panuwat Dan-klang
	Department of Electrical Engineering, Faculty of Engineering, Burapha University,
	Chonburi, Thailand
38	"Synchronization in neural networks with Boolean values"
	Pengfei YAN and Hao Zhang
	College of Information and Computer, University of Technology, Jinzhong City, Shanxi
	China
39	"Prediction of Human Chracteristics from Brain Sturctural MRI using CNN"
	Shinichi Yoshida ¹ , Yuki Shinomiya ¹ , Takenobu Sasatani ² and Kaechang Park ³
	¹ School of Information Kochi University of Technology Kochi, Japan
	² Graduate School of Engineering Kochi University of Technology, Kochi, Japan
	³ Research Institute Kochi University of Technology Kochi, Japan
40	"Cellular and chromosomal alterations in response to acentric chromosome
	formation"
	Haruka Hiraoka ¹ , Riku Kuse ² , Fumio Matsuda ³ , Keisuke Morita ³ , Yuki Ogiyama ¹ , Hiroshi
	Shimizu ³ , Yuko Ohno ¹ , Yoshino Kubota ³ and Kojiro Ishii ²
	¹ Graduate School of Frontier Biosciences, Osaka University, Osaka, Japan
	² School of Environmental Science and Engineering Kochi University of Technology,
	Kochi, Japan
	³ Graduate School of Information Science and Technology Osaka University, Osaka,
	Japan

41	"A study of illumination variations on local texturebased feature for face
	identification"
	Phuritat Nakaseno ¹ , Srisupang Thewsuwan ² and Theekapun Charoenpong ¹
	¹ Department of Biomedical Engineering, Faculty of Engineering, Srinakharinwirot
	University, Nakhonnayok, Thailand
	² Department of Computer Engineering, Faculty of Engineering, Srinakharinwirot
	University, Nakhonnayok, Thailand
42	"Delay Tolerant LPWA Networking with A Moving Gateway and Geo-located
	Clients"
	Kenta KUSUDA and Makoto IWATA
	Graduate School of Engineering, Kochi University of Technology, Kochi, Japan
43	"Area-Efficient FPGA Implementation of Self-Timed Data-Driven Processor"
	Kanji NAGANO and Makoto IWATA
	Graduate School of Engineering, Kochi University of Technology, Kochi, Japan
	School of Information, Kochi University of Technology, Kochi, Japan
44	"Stress Awareness through a Cognition based ECG Biofeedback System"
	Wigran Siwadamrongpong, Monai Promphakorn, Thanapon Rianthong, Taweechai
	Ouypornkochagorn, Pongpanod Poungrayar and Theerasak Chanwimalueang
	Department of Biomedical Engineering, Srinakharinwirot University, Nakhonnayok,
	Thailand
45	"Structure Control of Nanocarbon Metamaterials"
	Hiroshi Furuta ^{1,2} , Adam Pander ^{1,2} , Hiroki Miyaji ¹ , Sachio Hayashi ¹ , Masaki Komori ¹ ,
	Fumiya Nagamine ¹ , Junthorn Udorn ³ and Akimitsu Hatta ^{1,2}
	¹ Department of Electronic and Photonic Systems Engineering, Kochi University of
	Technology, Kochi, Japan
	² Center for Nanotechnology, Kochi Univerisity of Technology, Kochi, Japan
	³ Thai-Nichi Institute of Technology, Bangkok, Thailand
46	"Design and Characterization of a Microchannel Splitter for Optical Fiber
	Communication Fabricated by 3D Printing Technology"
	Md. Mehedi Hasan, Md. Muzammal Hoque and M. Hasnat Kabir

	Department of Information and Communication Engineering,
	University of Rajshahi, Rajshahi, Bangladesh
47	"Optimal Placement of Solar Farm and EV-Charging Station using Metaheuristic
	Optimization Technique"
	Kulsomsap Yenchamchalit, Yuttana Kongjeen and Krischonme Bhumkittipich
	Power and Energy Research Unit Department of Electrical Engineering, Faculty of
	Engineering, Rajamangala University of Technology, Pathumthani, Thailand
48	"Impact of Battery Energy Storage System Integrated Distributed Generation
	based on Standalone Renewable Energy System"
	Prakasit Prabpal, Yuttana Kongjeen and Krischonme Bhumkittipich
	Power and Energy Research Unit Department of Electrical Engineering, Faculty of
	Engineering, Rajamangala University of Technology, Pathumthani, Thailand
49	"Energy Demand Reduction of Power System with PV Grid-Connected Inverter
	using Predictive Current Control Technique"
	Samart Janghirun, Nathabhat Phankong and Krischonme Bhumkittipich
	Power and Energy Research Unit Department of Electrical Engineering, Faculty of
	Engineering, Rajamangala University of Technology, Pathumthani, Thailand
50	"Design of Flyback Converter for Agriculture Applications using Digital Control"
	Sidtha Rattanakam and Krischonme Bhumkittipich
	Power and Energy Research Unit Department of Electrical Engineering, Faculty of
	Engineering, Rajamangala University of Technology, Pathumthani, Thailand
51	"Design of Load Frequency Control in Two-Area Interconnected Power System
	under Solar Farm Installation"
	Sontaya Manmai and Krischonme Bhumkittipich
	Power and Energy Research Unit Department of Electrical Engineering, Faculty of
	Engineering, Rajamangala University of Technology, Pathumthani, Thailand
52	"Self-organized structures for carbon nanotube forest metamaterials"
	Adam Pander, Akimitsu Hatta, Takatsugu Onishi and Hiroshi Furuta
	Department of Electronic and Photonic System Engineering, Kochi University of
	Technology Kami, Kochi, Japan

54	"Technology for Language Learning: Prospects & Challenges of Google
	Classroom"
	Md. Sadequle Islam
	University of Chittagong, Bangladesh
55	"A Design and Development of Low-Cost Electrical Dynamometer for Electrical
	Machines Laboratory"
	Phaisarn SUDWILAI,
	Advanced Magnetics and Motor Drive Research Laboratory(AMDRL), Electrical
	Engineering Program, Faculty of Engineering,
	Thai-Nichi Institute of Technology, Bangkok, Thailand
56	"Streamflow Estimation of Ungauged Subwatershed Using Simple Equation
	at Mae Pan Subwatershed, Mae Chaem District, Chiang Mai Province"
	Jiranan Thammakosit ¹ , Naruemol Kaewjampa ¹ and Sakuldeach Nanta ²
	¹ Department of Conservation, Faculty of Forestry, Kasetsart University, Bangkok,
	Thailand
	² Chiang Mai, Department of National Parks, Wildlife and Plant Conservation, Chiang
	Mai, Thailand
57	"Estimation of evapotranspiration Using FAO - Penman Method in Hill Evergreen
	Forest at Huai Kog Ma Subwatershed, Doi Pui Chiang Mai, Province"
	Kajornsak Khinjarung and Piyapong Thongdeenok
	Department of Conservation, Faculty of Forestry, Kasetsart University, Bangkok,
	Thailand
58	"Sediment Loads of Stream at Mae Raek Watershed, Mae Chaem District, Chiang
	Mai Province"
	Supannika Sasing ¹ , Naruemol Kaewjampa ¹ and Sakuldech Nunta ²
	¹ Department of Conservation, Faculty of Forestry, Kasetsatsart University, Bangkok,
	Thailand
	² Protected Areas Regional Office 16, Chiang Mai, Thailand
59	"Creating Simple Equation for Suspended Sediment Estimation
	at Drainage Canal of Kasetsart University"

	Sarocha Kumpongpan and Naruemol Kaewjampa
	Department of Conservation, Faculty of Forestry, Kasetsart University, Bangkok,
	Thailand
60	"Comparative Studies on Microorganism Efficiency (pd.6) And
	Azolla Microphylla for Wastewater Treatment in Kasetsart University"
	Sunatta Panyathip, Piyapong Thongdeenok and Naruemol Kaewjampa
	Department of Conservation, Faculty of Forestry, Kasetsart University, Bangkok,
	Thailand
61	"Decoupling Model Establishment and Simulation Analysis of Permanent Maglev
	Transmission System"
	Chuan Zhao ¹ , Fangchao Xu ² , Feng Sun ² , Qiang Li ² , Junjie Jin ² and Koichi Oka ³
	¹ School of Mechanical Engineering, Shenyang University of Technology, Shenyang,
	China
	² College of Mechanical Engineering, Shenyang University of Technology, Shenyang,
	China
	³ School of Systems Engineering, Kochi University of Technology, Kochi, Japan
62	"A Numerical Simulation and Analysis of Wireless Li-ion Battery Charging System
	for Electric Vehicle"
	Peerathut Techachoonhakit and Phaisarn SUDWILAI,
	Advanced Magnetics and Motor Drive Research Laboratory(AMDRL), Electrical
	Engineering Program, Faculty of Engineering,
	Thai-Nichi Institute of Technology, Bangkok, Thailand
63	"Speed and Torque Control of BLDC Motor using Combination of Boost
	Converter and Voltage Source Inverter"
	Natthawat Thapayapattanakul and Phaisarn SUDWILAI
	Advanced Magnetics and Motor Drive Research Laboratory(AMDRL), Electrical
	Engineering Program, Faculty of Engineering,
	Thai-Nichi Institute of Technology, Bangkok, Thailand
64	"Hybrid Renewable Energy System with Mirco-wind Turbine and PV Panels at
	, ,

	Worapas Janpan and Phaisarn SUDWILAI
	Advanced Magnetics and Motor Drive Research Laboratory(AMDRL), Electrical
	Engineering Program, Faculty of Engineering,
	Thai-Nichi Institute of Technology, Bangkok, Thailand
65	"A Smart Production Line using PLC for SMEs in Thailand"
	Saksirin Chinnaket and Phaisarn SUDWILAI
	Advanced Magnetics and Motor Drive Research Laboratory(AMDRL), Electrical
	Engineering Program, Faculty of Engineering,
	Thai-Nichi Institute of Technology, Bangkok, Thailand
66	"Some Water Quality in Wet Season at Mae Pan Watershed, Mae Chaem District,
	Chiang Mai Province"
	Atchara Khueanphet ¹ , Naruemol Kaewjampa ¹ and Sakuldeach Nanta ²
	¹ Department of Conservation, Faculty of Forestry, Kasetsart University, Bangkok,
	Thailand
	² Department of National Parks, Wildlife and Plant Conservation, Protected Areas
	Regional Office 16 (Chiang Mai), Chiang Mai, Thailand