DAY1	23rd Sep				
13:00~	14:30		Parallel Session A1	Advanced Manufacturing System 1	
15.00	14.50		Chairs	Hironori HIBINO and Muhamad Arfauz A RAHMAN	
		paper #	Title	Authors	Organization
13:00~	13:20	Л	Design optimization of variable blank holder force and blank shape for	Ryoto Ishizuki, Satoshi Kitayama, Kiichiro Kawamoto, Shinji Natsume,	Kanazawa University, Komatsu Industries Corp.,
15.00	13.20	F	reducing twist springback	Kazuaki Adachi, Takahiro Noguchi and Toshio Ohtani	Komatsu Ltd.
13:20~	13:40	12	Design optimization of back-pressure profile and slide velocity in precision forging	Tsubasa Higuchi, Satoshi Kitayama, Masahiro Takano, Akio Kobayashi and Kazumasa Fujii	Kanazawa University, Industrial Research Institute of Ishikawa, Kaga, INC.
13:40~	14:00	13	A study on process planning for die and mold machining based on shape recognition and deep learning	Mayu Hashimoto and Keiichi Nakamoto	Tokyo University of Agriculture and Technology
14:00~	14:20	17	A Study on Tool Path Generation During a Rough Machining Operation Based on Topology Optimization of Workpiece	Hitoshi Kushino, Maho Kumanotani and Keiichi Nakamoto	Tokyo University of Agriculture and Technology
15.00	10.00		Parallel Session A2	Lean Manufacturing and Operations Management	
15:00~	16:30		Chairs	Effendi bin MOHAMMAD and Teruaki ITO	
		paper #	Title	Authors	Organization
15:00~	15:20	20	An integrated implementation framework of balanced scorecard and lean	Faizuddin Firdaus Zaini, Mohd Rizal Salleh, Md Nizam Abdul Rahman, Muhamad Arfauz A Rahman, Mohd Amri Sulaiman, Nashrullah Setiawan and	Universiti Teknikal Malaysia Melaka, OKAYAMA
10.00	10.20	20	manufacturing for increasing efficiency and performance of SMEs	Teruaki Ito	Prefectural University
15:20~	15:40	21	A proposal of performance assessment model for sustaining 5S implementation in SMEs manufacturing industry	Nashrullah Setiawan, Mohd Rizal Salleh, Hambali A Ariff, Muhamad Arfauz A. Rahman, Effendi Mohamad, Mohd Amri Sulaiman, Faizuddin Firdaus Zaini	Universiti Teknikal Malaysia Melaka, OKAYAMA Prefectural University
				and Teruaki Ito	
15.10	10.00		Enhancing electronic document control approval process through a	Rashitah Rahmat, Effendi Mohamad, Rosidah Jaafar, Oyong Novareza, Nor	Universiti Teknikal Malaysia Melaka, Universitas
15:40~	16:00	31	verification stage	Akramin Mohamad and Teruaki Ito	Brawijaya, Indonesia, Okayama Prefectural University
			Decision making of single-minute exchange of die (SMED) in setup	Mohd Soufhwee Abd Rahman, Effendi Mohamad, Azrul Azwan Abd Rahman,	Universiti Teknikal Malaysia Melaka, Okayama
16:00~	16:20	33	improvement through a simulation approach	Mohd Rizal Salleh, Teruaki Ito, Muhamad Arfauz A Rahman, Mohd Amri	Prefectural University, Universitas Brawijaya,
				Sulaiman and Oke Oktavianty	Indonesia
16:45~	18:30		Parallel Session A3	Advanced Manufacturing System 2	
			Chairs	Tatsuhiko SAKAGUCHI and Md Nizam Abdul RAHMAN	
		paper #	Title	Authors	Organization
16:45~	17:05	28	CE 2.0: New World of Concurrent Engineering	Shuichi Fukuda	Keio University
17:05~	17:25	36	Manufacturing system simulation to evaluate energy productivity,	Shungo Arai, Munehiro Sugiyama, Hironori Hibino, Takamasa Horikawa,	T
			formulation of specific energy consumption under parallel production line	Shoutarou Miura and Makoto Yamaguchi	Tokyo University of Science, Akita University
			Multi-objective optimization for nesting scheduling problem in sheet	Tatsuhiko Sakaguchi, Takuto Sugawara, Miyori Shirasuna and Naoki	
17:25~	17:45	38	metal processing through coevolutionary genetic algorithm	Uchiyama	Toyohashi University of Technology
17 45	10.05		Electricity cost optimization method using empty iob and simulated		T
17:45~	18:05	50	annealing algorithm	Hironori Hibino, Yuto Otsuka, Masaki Ishihara and Taku Harada	Tokyo University of Science
18:05~	18:25	39	Qualitative Behavior Modelling for Servitizing On-premises ICT System	Shigeru Hosono and Yoshiki Shimomura	Tokyo University of Technology, Tokyo Metropolitan University

iDECON/MS2019 Parallel Sesshon Schedule (Tentative)

Organization Keio University The University of Tokyo Tokyo Metropolitan University Kanazawa University
Keio University The University of Tokyo Tokyo Metropolitan University
Keio University The University of Tokyo Tokyo Metropolitan University
The University of Tokyo Tokyo Metropolitan University
Tokyo Metropolitan University
Kanazawa University
Nanazawa University
Organization
Oita University
Kansai University, Okayama Prefectural University
Doshisha University
Keio University
Organization
Okayama Prefectural University, Kansai University
Chiba University
Saitama University
Meiji University

12.00 -	14.20	Parallel Session C1	Green technology	
13:00~	14:30	Chairs	Rais Hanizam MADON and Juntakan TAWEEKUN	
		paper # Title	Authors	Organization
13:00~	13:20	Rice Husk Silica (SiO2) as Green Alternative Catalyst for Steam Methane Reforming (SMR) Process	Rais Hanizam Madon, Nur Hazleen Abd Halil, Muhamad Khairul Ilman Sarwani, Rizamarhaiza Muda and Mas Fawzi	UNIVERSITI TUN HUSSEIN ONN MALAYSIA
13:20~	13:40	Effect of Compressed Natural Gas (CNG) Addition on a Diesel Engine for 44 Dual Fuel Engine Application	Muammar Mukhsin and Mas Fawzi	Universiti Tun Hussein Onn Malaysia
13:40~	14:00	51 Regenerating energy through the rainwater down piping system	Muhamad Arfauz A Rahman, Nur Amirah Zainul Abidin, Effendi Mohamad, Azrul Azwan Abdul Rahman, Mohd Rizal Salleh, Mohamad Ridzuan Jamli, Rosidah Jaafar and Hasmuddin Md Zin	Universiti Teknikal Malaysia Melaka, UES International Sdn Bhd
14:00~	14:20	Manufacturing system of turbines 52	Ryo Amano	University of Wisconsin-Milwaukee
15:00~	16:30	Parallel Session C2 Chairs	Data analysis and knowledge visualization 1 Miki YAMASAKI and Mohd Rizal SALLEH	
		paper # Title	Authors	Organization
15:00~	15:20	A study on tool life of small radius ball end mills for a nitriding cast iron 14 cutting	Takuya Deguchi and Hirohisa Narita	Meijo university
15:20~	15:40	A method for accelerating design innovation using context structuration and visualization	Yusuke Tsutsui, Yuya Mitake, Shigeru Hosono, Yutaro Nemoto, Mar'Atus Sholihah and Yoshiki Shimomura	Tokyo Metropolitan University, Tokyo University of Technology
15:40~	16:00	Tensile properties of dissimilar materials pipes welded by GMAW repair welding	Nur Izan Syahriah Hussein, Suraya Laily, Mohamad Nizam Ayof and Mohd Shukor Salleh	Universiti Teknikal Malaysia Melaka
16:00~	16:20	Robust design method based on evaluation index in consideration of the designer's intention	Tatsuya Karube, Yuka Mizukura, Nobuki Sato, Yuta Onoda, Zenichi Miyagi and Masato Inoue	Meiji University
16:45~	18:05	Parallel Session C3 Chairs	Data analysis and knowledge visualization 2 Hirohisa NARITA and Masashi OKUBO	
		paper # Title	Authors	Organization
16:45~	17:05	$Classification\xspace$ method by quantification Taguchi's T-method 3	Keisuke Nishino, Arata Suzuki and Daisuke Fujita	Wakayama University
17:05~	17:25	Detection method of the tool life using cutting sound of endmilling $\ensuremath{6}$	Kou Taniguchi and Hirohisa Narita	Meijo University
17:25~	17:45	Surrogate modeling of vehicle dynamics simulation using feature 11 extraction method	Kohei Shintani, Takao Fujimoto, Masaaki Okamoto, Atsuji Abe and Yasushi Yamamoto	Toyota Motor Corporation
17:45~	18:05	16 Personalized Recommendation of Health Behavior Using Mobile Device Based on Health Log Data	Yuko Kurosaki, Xiangyi Gao, Yawen Sun, Tetsuya Toma and Tetsuro Ogi	Keio University

DAY2	24th Sep				
10:30~	11:30		Parallel Session A4	Additive Manufacturing	
10.30*~			Chairs	Qumrul AHSAN and Yoshihiro SEJIMA	
		paper #	Title	Authors	Organization
10:30~	10:50		Design of Thermal Insulation Infill Structures Fabricated by Metal	Koki Jimbo and Toshitake Tateno	Meiji University
10.50			Material Extrusion in Additive Manufacturing		
10:50~	11:10	34	Estimation Method of Order Quantity of Manufacturer Based on POS Data	Tomoki Komai, Koji Iwamura, Nobuhiro Sugimura, Toshikazu Urade, Kazuki	Osaka Prefecture University, Ryukoku University,
10.50 -			by Using LSTM Model	Taketoshi, Michitoshi Yamaguchi and Yoshiyuki Hirahara	Toshiba Tec Corporation
11:10~	11:30	30 40	Fabrication and evaluation of auxetic structures with different features	Akihisa Takahashi, Koki Jimbo and Toshitake Tateno	Meiji University
11.10 -			generated by additive manufacturing		weiji oniversity

10:30~	11:30	Parallel Session B4	Workshop "How Engineering Will Change: Inc	creasing importance of Self"
10.50		Chairs	Shuichi FUKUDA	
		paper # Title	Authors	Organization
10:30~	11:30	29 Materiality and Self: New Role of Mechanical Engineering	Shuichi Fukuda	Keio University

10:30~	11:30		Parallel Session C4	Sustainable technology	
			Chairs	Shahriman Abu BAKAR and Nur Izan Syahriah HUSSEIN	
		paper #	Title	Authors	Organization
10:30~	10:50	23	Effect of Cold Arc Welding Parameters on Weld Bead Properties of T-Joint Structural Steel	Mohamad Nizam Ayof, Nur Izan Syahriah Hussein and Muhammad Fairu Afandi Mohamad	Universiti Teknikal Malaysia Melaka
10:50~	11:10	3	Investigation of Block Copolymer Effect on the Physical and Mechanical 7 Properties of Retort Cast Polypropylene (RCPP) For Food Packaging Film	Qumrul Ahsan, Sakthivel Shellahmutto and Sian Meng	University Teknikal Malaysia (UTeM), San Miguel Yamamura Plastic Films Sdn. Bhd.