Presentation			
Number	Presenter	Title	Authors
			A.N. Huang*1, I.C. Shen2, H.P. Kuo2, W.Y. Hsu3
			1 National Taiwan University of Science and Technology, Taiwan
		The Effects of Packing Particle Shape on the Flow Dynamics and Heat Recovery	2 National Taiwan University, Taiwan
P-A-01	Prof. An-Ni Huang	in a Packed Bed	3 Chang Gung University, Taiwan
		Design of interparticle photo-cross-linkable suspension using γ -Al2O3	F. Yokomori*1, J. Tatami*1, M. lijima*1
P-A-02	Mr. Fumiya Yokomori	nanoparticles and 3D printing by stereolithography	1 Yokohama National University, Japan
			Haruki Sakurai* 1, Junichi Tatami 2, Motoyuki lijima 2
			1 Graduate School of Environment and Information Sciences, Yokohama National
			University, Japan
		Three-dimensional structuring of porous materials using interparticle photo-	2 Faculty of Environment and Information Sciences, Yokohama National University,
P-A-03	Mr. Haruki Sakurai	cross-linkable slurry and ceramic beads	Japan
D A 04	Ma Katawa Osiahi		Katsuya Onishi", Tomononi Fukasawa, Toru Isnigami, Ayaka Tamaru, Kuniniro Fukul
P-A-04	ivir. Katsuya Onishi	High Temperature	A Hande*1 Tatami 1 M lijima 1
P A 05	Ma Akari Handa	visualized by OCT in situ observation Effect of the amount of DVA binder	A. Honda 1, J. Fatann 1, M. Injina 1 1. Yakabama National University Japan
1 A 05	Wis. Akari Honda	In-situ OCT visualization of internal structural changes during liquid phase	N Tozawa*1 I Tatami1 M lijima
P-A-06	Mr Nozomu Tozawa	sintering of CaSiO3-doped Al2O3 green bodies	1 Yokohama National University Japan
	Introconta Focanta		R. Nomura*1. M. Yoshida1.2. Y. Shirakawa1.2
			1 Graduate School of Science and Engineering, Doshisha University, Japan
		Effects of aerating methods and conditions on the improvement of particle	2 Faculty of Science and Engineering, Doshisha University, Japan
P-A-07	Ms. Reona Nomura	flowability	
			Yuto Masuda* 1), Junichi Tatami 1), Motoyuki lijima 1),Tatsuki Ohji 1),
			Kentaro Yoshida 2), Takuma Takahashi 2), Hiromi Nakano 3)
			1) Graduate School of Environment and Information Sciences, Yokohama National
			University, Japan 2) Kanagawa Institute of Industrial Science and Technology, Japan
		Microscale mechanical properties of sliding friction surface of α/β SiAION	3) Toyohashi University of Technology, Japan
P-A-08	Mr. Yuto Masuda	composite ceramics	
			Komaki Matsuura* 1), Junichi Tatami 1), Motoyuki lijima 1) Tatsuki Ohji 1), Takuma
			Takahashi 2), Hiromi Nakano 3)
			1) Yokohama National University, Japan
			2) Kanagawa Institute of Industrial Science and Technology, Japan
			3) Toyohashi University of Technology, Japan
D A 00	Ma Kamali Matawa	Effect of cyclic applied stress on grain boundary strength of silicon nitride	
F-A-09	IVIS. KUIIIAKI IVIALSUUIA	Ceramics	L Kubata*1 V Imayaabil & Obaakil H Nakamural & Watanal
		Inderstanding the tablet internal structure and the canning mechanism by	 Nubola 1, 1. Indyoshi1, S. Olisaki1, H. Nakamurat, S. Walahoi Department of Chemical Engineering, Osaka Metropolitan University, Japan
P-A-10	Mr Issei Kubota	measuring the distribution of die wall pressure	1) Department of Chemical Engineering, Osaka Metropolitan Oniversity, Japan
1 / 10	WIT. 133CT TRUBULA		H Kanai*1 S Obsaki1 H Nakamura1 S Watano1
P-A-11	Mr. Haruki Kanai	Effect of structural defects in MOFs on drug loading capacity	1 Osaka Metropolitan University. Japan
			Yugo Sato*1, Toshiyuki Nomura1
P-A-12	Mr. Yugo Sato	Synthesis of high functional pesticides using biodegradable carrier particles	1 Osaka Metropolitan University, Japan
			Shunichi Ishibashi*1, Toshiyuki Nomura1
			1 Osaka Metropolitan University, Japan
		Improving the efficiency of the bio-reduction process for recovering palladium	
P-A-13	Mr. Shunichi Ishibashi	from urban mines	
			Takahiro Oikawa*1, Junichi Tatami2, Motoyuki lijima2
			1 Graduate School of Environment and Information Sciences, Yokohama National
			University, Japan
		Homogenized silicon nitride green compacts prepared by in-situ solidification of	2 Faculty of Environment and Information Sciences, Yokohama National University,
P-A-14	Mr. Takahiro Oikawa	nonaqueous slurries	Japan
D 4 15		Design of interparticle photo-cross-linkable suspension for DLP-3D printing of	A. Ide*1, J. Latami1, M. lijima1
P-A-15	ivir. Akihito Ide	Zruz ceramic components	1 Yokonama National University, Japan
D A 16	Ma Minami Mataur	synthesis of Co-Crystals via Liquid-Liquid Interfacial Crystallization and Effects	IVI. IVIAISUOTI, IVI. YOSNIGAI, Y. SNIRAKAWAI
1W-T0	ivis. iviiridifii iviätSUO		R Tomiyama* 1 Junichi Tatami 2 Matawuki lijima 2
			1. Formyania 1, Junion Falanniz, Moloyuki Njillid Z 1. Graduata School of Enginnering Science, Vokohama National University, Japan
		Aqueous based photocurable 7rO2 suspensions for greener DLP-3D printing	2 Faculty of Environment and Information Sciences, Yokohama National University
P-A-17	Mr. Rvota Tomivama	process	Japan
	, i onnyama	r	Hiromasa Kuroda *1. Junichi Tatami 1. Motovuki liiima 1. Takuma Takahashi 2
			1 Graduate School of Engineering Science and Faculty of Engineering. Yokohama
			National University, Japan
		Visualization of drying behavior of aqueous silica slurries with different organic	2 Kanagawa Institute of Industrial Science and Technology, Japan
P-A-18	Mr. Hiromasa Kuroda	additives by operand OCT observation	
		Analysis of the Adsorption Kinetics of Metal–Organic Frameworks Using a Quartz	M. Moriwaki*1, H. Uematsu1, S. Hiraide1, S. Watanbe1
P-A-19	Mr. Makoto Moriwaki	Crystal Microbalance	1 Kyoto University, Japan
			Kenta Kitamura*1, 2, Takamasa Mori 1,2 1 Department of Chemical Science and
			Technology, Faculty of Bioscience and Applied Chemistry, Hosei University, Japan, 2
		Time-Dependent Changes in the Dispersion State of Aqueous Alumina Slurry and	Hosei University Research Institute for Slurry Engineering, Japan
P-A-20	Dr. Kenta Kitamura	the Effect of Additive Timing	

			Fumiya Kimura 1), Junichi Tatami 1), Motoyuki lijima 1) Takumi Takahashi2)
			1)Yokohama National University
		Dewaxing behavior of ceramic compacts observed in-situ by a combined OCT-	2)Kanagawa Institute of Industrial Science and Technology
P-A-21	Mr. Fumiya Kimura	TG-FTIR-MS system	
		Ultra-fast tetracycline degradation utilizing ZIF-derived C, N-	
D 4 00	NA ALL: L.:	ZnO/Co304/CoFe204/Fe304 catalyst and in-silico environmental impact	Abhivyakti .*1, Sonal Singhal1
P-A-ZZ	IVIS. ADNIVYAKTI .	assessment of degradation products	I Panjab University, India Kaito Yamada*1 Mikio Yoshida1 2 Yoshiyuki Shirakawa1 2
			1 Graduate School of Science and Engineering, Doshisha University, Japan
		Simulation analysis of the effects of adhesive and frictional particle interactions	2 Faculty of Science and Engineering, Doshisha University, Japan
P-A-23	Mr. Kaito Yamada	on slurry viscosity behaviors	Rvo Osaki* 1), Shuji Ohsaki 1), Hideva Nakamura1), Satoru Watano1)
		Oxide coating of cathode active material in all-solid-state batteries using spray	1) Department of Chemical Engineering, Osaka Metropolitan University, Japan
P-A-24	Mr. Ryo Osaki	drying method	
			Takayoshi Kiguchi*1, Miori Sato2, Akihiro C. Yamashita1,2
P-A-25	Dr Takavoshi Kiguchi	Preparation of Poly-L-Lactic Acid Microparticles Encapsulating Drug-Containing Gel for Sustained-Release	1 Faculty of Bioscience and Applied Chemistry, Hosei University, Tokyo, Japan 2 Graduate School of Science and Engineering, Hosei University, Tokyo, Japan
1 7 23			Takuto Furukawa*1, Junichi Tatami2, Motoyuki lijima2
			1) Graduate School of Environment and Information Sciences, Yokohama National
			University, Japan
D R 01	Mr. Takuta, Eurukawa	Dispersion of cellulose nanofibers in acrylic resin with surface modified SiO2	2) Faculty of Environment and Information Sciences, Yokohama National University,
F-D-UI	IVIT. TAKULO FUTUKAWA	nanoparticles	Nao Ozamoto*1, Tomoomi Segawa2, Katsunori Ishii2, Koichi Kawaguchi2, Tomonori
			Fukasawa1, Toru Ishigami1, Kunihiro Fukui1
			1 Hiroshima University, Japan
			2 MOX Fuel Cyclone Design Group, Strategy and Management Department, Japan
P-B-02	Ms Nao Ozamoto	Effect of Particle Properties and Concentration on Classification Performance of Cyclone Separator	Atomic Energy Agency
			Haruto Ikeda*, Toru Ishigami, Kunihiro Fukui, Tomonori Fukasawa
			Hiroshima University, Japan
D D 02		Effect of Mixing Ratio of Multivalent Cations on Shear Yield Stress of Particle	
P-B-03	IVIr. Haruto Ikeda	Suspensions	Misato Takabashi*1, lunichi Tatami2, Motovuki lijima2
			1 Graduate School of Environment and Information Sciences, Yokohama National
			University, Japan
		Drving shrinkage behavior of green bodies 3D printed using interparticle photo-	2 Faculty of Environment and Information Sciences, Yokohama National University,
P-B-04	Ms. Misato Takahashi	cross-linkable SiO2 slurry	Japan
			Kazumi Yoshiya*1, 2, Yuto Yamamoto 2, Kento Izumi 1, Yutaro Takaya1, 2, Chiharu
			Tokoro1, 2
			I Department of Resources and Environmental Engineering, Graduate School of Creative Science and Engineering Waseda University Tokyo Japan
		Exploring the optimal crushing method of iron ore – Proposal based on cross-	2 Department of Systems Innovation, Graduate School of Engineering, The University
P-B-05	Dr. Kazumi Yoshiya	sectional morphology and crack observation of iron ore	of Tokyo, Tokyo, Japan
			S. Tsutaki*1, J. Tatami2, M. Iijma2
			University, Japan
		Design of transparent photocurable Pickering emulsion for high-resolution DLP-	2 Faculty of Environment and Information Sciences, Yokohama National University,
P-B-06	Mr. Shogo Tsutaki	3D printing of porous ceramics	Japan
	Mr. Vulci Imai	Effect of polyethyleneimine molecular weight on the flowing properties of highly	Yuki Imai*1, Junichi Tatami1, Motoyuki lijima1
P-D-07	IVIR. YUKI IMAI		1 rokonama National Oniversity, Japan Yuto Yamamoto*1. Kazumi Yoshiya2.1. Chiharu Tokoro2.1. Yutaro Takava1.2
		Automation of mineral liberation measurement of iron ore by using image	1 Graduate School of Engineering, The University of Tokyo, Japan
P-B-08	Mr. Yuto Yamamoto	processing	2 Faculty of Science and Engineering, Waseda University, Japan
			Zehao Xu*1,2, Hiroaki Furuse2, Tohru S. Suzuki1,2
			1 Department of Nanoscience and Nanoengineering. Graduate School of Advanced
			Science and Engineering, Waseda University, Tokyo 169-8555, JAPAN
			2 Research Center for Electronic and Optical Materials, National Institute for Materials
		Fabrication of Er:(Y, La)2O3 ceramics with high transparency by spark plasma	Science (NIMS), Tsukuba, Ibaraki 305-0047, JAPAN
н-п-08	IVIR. Zehao XU	sintering Green luminescence of ZnSi2O4:Mn2+ derived from precursors prepared by	T Suzuki* Y Matsushima
P-B-10	Mr. Taisei Suzuki	hydrothermal synthesis	Yamagata University, Japan
		Effects of Precursors on the Synthesis and Dielectric Properties for $(Mg_{0\mbox{-}2}Ni_{0\mbox{-}2}Zn$	
P-B-11	Mr. Li-Heng Tai	0.2C00.2Mn0.2)2SiO4 High-Entropy Ceramics	Li-Heng Tai*, Shao-Ju Shih and Tzu-Yun Lin
			Kiko Yamazaki*1, Junichi Tatami*1, Motoyuki lijima*1, Shinya Kawaguchi*2, Naoki Kondo*3
			1 Yokohama National University, Japan
		Properties of Si3N4 granules fabricated by spray freeze granulation drying from	2 Preci Co. Ltd., Japan
P-B-12	Ms. Riko Yamazaki	non-aqueous slurries prepared by adding PEI-OA complex	3. National Institute of Advanced Industrial Science and Technology, Japan
P-B 12	Prof Zhibao Bac	Synthesis and Properties of Doped CeO2 Nanoparticles Synthesized with FSP	Zhihao Bao* 1, Guoxiang Chen 1, Xueqiang Lu 1, Jianjun Shi 1, Yongfeng Mei 1
1-0-10	TIUL ZIIIIAU DAU	1100033	1/ Hwu Neacaton matitute, Fuuan Oniversity, Olillia

			Wan-Chin Yu*, Cheng-En Tsai, Neethu Sebastian
		Construction of NiCuAl Layered Double Hydroxide/Carbon Nanotube Composite	Department of Molecular Science and Engineering, National Taipei University of
P-B-14	Prof. Wan-Chin Yu	for Electrochemical Detection of Tert-Butylhydroquinone	Technology, Taiwan, R.O.C.
			H. Okaya1, J. Tatami1, M. lijima1, T. Takahashi1,2
		Influence of granulation process on optical properties of Ca- α -SiAION:Eu2+	1 Yokohama National University, Japan
P-B-15	Mr. Hidekazu Okaya	ceramics	2 Kanagawa Institute of Industrial Science and Technology, Japan
			V. Pouchly* 1,2, E. Scasnovic 2, T. Spusta 2, D. Sobola 2
		Compositionally Complex Ceramic oxides based on (MgCoCuNiZn)O and	1 Faculty of Mechanical Engineering, Brno University of Technology, Czech Republic
		(CoCrFeNiMn)304: Sintering behavior, final microstructure, chemical	2 CEITEC, Brno University of Technology, Czech Republic
P-B-16	Dr. Vaclav Pouchly	homogeneity and their final electro-magnetic properties.	
		Preparation and Visible-Light-Driven Photocatalytic Degradation Properties of	Yu-Tse Lin1, Chin-Yi Chen*1
P-C-01	Prof. Chin-Yi Chen	Heterostructured MoS ₂ /Bi ₂ WO ₆ /BiOBr Composite Powder	$1{\rm Department}$ of Materials Science and Engineering, Feng Chia University, Taiwan.
			S. Sugimoto*1, Y. Tsugawa1, M. Morimitsu1, M. Yoshida1, Y. Shirakawa1
P-C-02	Mr. Shunsuke Sugimoto	Design of Zinc Battery Separator for Dendrite Suppression	1 Graduate School of Science and Engineering, Doshisha University, Japan
			K. Arai*, T. Shimizu, S. Wajima, Y. Matsushima
P-C-03	Mr. Kakeru Arai	All-solid-state Batteries Composed of Ag+ Superionic Conductor	Yamagata University, Japan
			Takatoshi Kurihara*1, Asako Narita2, Moe Nakahara1, Chiharu Tokoro2,3
			1 Graduate School of Creative Science and Engineering, Waseda University, Japan
		Effect of the resistance at the interface with discharge electrodes on separation	2 Faculty of Science and Engineering, Waseda University, Japan
D 0 04		of lithium-ion batteries cathode materials by direct electrical pulsed discharge	3 Faculty of Engineering, The University of Tokyo, Japan
P-C-04	Mr. Takatoshi Kurihara	method	
			Tomoyuki Yonezawa*1), Akiko Kubota2), Manabu Inutsuka3), Michio Kondo4), Hideniro
			Kamiyaz), Uninaru Tokoros,6)
			1) School of Croative Science and Environments Worked, U.S. V.
			1/ School of Greative Science and Engineering, waseda University, Japan 2) Sustainable Energy & Environmental Casisty Great is a still D
			2) Sustainable Energy & Environmental Society Open Innovation Research
			organization, waseda University, Japan
			3) Waseda Center for a Carbon Neutral Society, Waseda University, Japan
			4) Research Innovation Center, Waseda University, Japan
			5) Faculty of Science and Engineering, Waseda University, Japan
D 0 05			6) Graduate School of Engineering, The University of Tokyo, Japan
P-C-05	IVIR. Tomoyuki Yonezawa	Dismantling of photovoltaic panels for silicon recovery using microwave neating	
			Menal Estili," Tonra S. Suzaki
	Dr. Mahdi, Eatili	Carbon nanotubo MYana membranas far alastrashamiaal anarru applicationa	National Institute for Materials Science (NIMS), Taukuba, Ibaraki, Japan
1-0-00	DI. Menur Estin	Carbon nanotube-wixene membranes for electrochemical energy applications	Wan-Vi Hsul*1 Wei-Han Jen2 Hsiu-Po Kuo2
		Experimental and Simulation Studies on Countercurrent Fluidized Red VOC	1 Chang Gung University Taiwan
P-C-07	Ms Wan-Yi Hsu	Absorber using Bead Activated Carbon as the Eluidizing Media	2 National Taiwan University, Taiwan
			lingwen Sun*
P-D-01	Prof. Jingwen Sun	Manipulating Spin State of RuO2 for Robust Acidic Oxygen Evolution	1 Naniing University of Science and Technology. China
	5		Chin-Wei Wu, Ming-Hung Chiang, Chien-Liang Lee*
		Specific Activities of PdAu Octahedral, Truncated Octahedral, and Cubic	Department of Chemical and Materials Engineering, National Kaohsiung University of
P-D-02	Prof. Chien-Liang Lee	Nanopowders as Non-Enzymatic Glucose Sensors	Science and Technology, Kaohsiung 807, Taiwan.
			Hong-Lin Lu 1, Jui-Yuan Chen *1, Wen-Wei Wu 2
			1 Department of Materials Science and Engineering, National United University,
			Taiwan
			2 Department of Materials Science and Engineering, National Yang Ming Chiao Tung
P-D-03	Prof. Jui-Yuan Chen	Research on Phosphate Semiconductor Glasses Applying in RRAM	University, Taiwan
			I-Ting Kuo*1, Wei-Hsing Tuan1
			1 Department of Materials Science and Engineering, National Taiwan University,
P-D-04	Ms. I-Ting Kuo	Effect of Phase Transformation on Wear Resistance of Yttria-stabilized Zirconia	Taipei, Taiwan
			Jia-Hui Lin 1), Cheng-Chun Lin 1), Sheng-Hong Wang 1), Kuan-Chieh Lee 1), Shu-
			Xuan Lin 2), Ruo-Yin Liao3), Hsiao-Hsuan Hsu 1) and Chun-Hu Cheng 2)
			1) Institute of Materials Science and Engineering, National Taipei University of
			Technology, Taipei, Taiwan
			 Department of Mechatronic Engineering, National Taiwan Normal University, Taipei,
			laiwan
		Effect of Inserting Layer on Electrical Characterization of Hafnium Aluminum	 Department of Electrophysics, National Yang Ming Chiao Tung University, Hsinchu,
P-D-05	Prot. Hsiao-Hsuan Hsu	Uxide Ferroelectric Memory	
	Mar I Ralation No. 1 1	raprication of NaNbO3 ferroelectric thin films by a solution process and their	H. NISNIO*1, K. Sakurail, Y. Fujil, W. Sakamotol
r-D-0₽	ivir. Hidetomo Nishio	priotoinaucea properties	i Gruppi University, Japan
		Sunthania and abaratazization -f.C00 U600 ferrer last state (1)	n. Ivisriiua*1, W. Sakamoto1, K. Mimura2
	Mr. Kojoulis Nistal	synthesis and characterization of CeO2-Hf02 ferroelectric thin films by chemical	1 Unubu University, Japan 2 National Institute of Advanced Industrial Chinese and Table 1.
r-D-U/	ivir. Keisuke Nishida	solution deposition method	2 Ivational Institute of Advanced Industrial Science and Technology, Japan
	Me Yuki Tayahiya	(Na Ra)(Nh Ti)O2 Pigzoologtric Corporation	1. ISuchiya 1, A. Teradal, M. Fukayal, W. Sakamotol 1. Chubu University Japan
r-n-ng	IVIS. TUKI ISUCNIYA	(IVa, Da) (IVD, FI) US FIEZOEIECTIC GERAMICS	i Glubu University, Japan Vu Wan Heina*1 Wai Heing Tuan1 Jin Pan Chan2 Da Ling Lei
			1 Department of Materials Science and Engineering, National Taiwan University
			Tainoi. Taiwan
			Laiper, Laiwell.
	Ma Yu Waa Usta	Aring and fatigue registence of streamle with low states addition	2 Department of Orthopedic Surgery, bone and Joint Research Center, Chang Gung
10-08	IVIS. TU-VVEN EISIAO	nging and latigue resistance of zircoma with low yitha addition	wemonar nospital, raiwan.

2025	/0E	(n 2
2023	/03/	UΖ

			E. Hatano*1, R. Simancas1, M. Takemura1, Y. Sasaki2, A. Chokkalingam1, S. P.
			Elangovan1, K. Iyoki1, T. Okubo1, T. Wakihara1,3
			1 Department of Chemical System Engineering, The University of Tokyo, Japan
		Preparation of amorphous aluminosilicates derived from rice husk charcoal for	2 Nanostructures Research Laboratory, Japan Fine Ceramics Center, Japan
P-D-10	Mr. Eisuke Hatano	the recovery of ammonium cations from wastewater	3 Institute of Engineering Innovation, The University of Tokyo, Japan
			Jeong-hyeon Lee1, Janghyeok Pyeon1, Sohee Baek1, Junhyeok Nam1, Seung-Cheol
			Yang2, Byung-il Yang2, Yeon-Gil Jung2
			1Department of Materials Convergence and System Engineering /
		Evaluation of Microstructure and Properties of Thermal Barrier Coating Co-doped	2School of Materials Science and Engineering, Changwon National University, 51140,
P-D-11	Ms.Jeonghyeon Lee	with Rare Earth Elements	Republic of Korea
			N. Baba*1, J. Tatami1, T. Ohji1, M. Iijima1, T. Takahashi2, H. Nakano3
			1 Yokohama National University
		Degradation evaluation of mechanical properties near single crystal 8YSZ surface	2 Kanagawa Institute of Industrial Science and Technology
P-D-12	Mr. Nagaru Baba	heat-treated in vacuum	3 Toyohashi University of Technology
			Che-Feng Hsu*1, Chian-Yu Yao1, Jei-Li Hou2, Ting-Jen Hsueh1
			1.Department of Electronic Engineering National Kaohsiung University of Science and
			Technology Kaohsiung 807, Taiwan
		SnO2/ITO-Based Self-Powered Triboelectric Nanogenerator for Environmental	2.Department of Microelectronics Engineering National Kaohsiung University of
P-D-13	Mr. Che-Feng Hsu	and Multi-Mode Sensing Applications	Science and Technology Kaohsiung 807, Taiwan
			Tzung-Yuan Wu*1, Shao-Ju Shih1
		Effects of Surface-Modified Powders on the Sintering and Dielectric Properties of	1 Department of Materials Science and Engineering, National Taiwan University of
P-D-14	Mr. Tzung-Yuan Wu	(Mg1-xZnx)2SiO4 Dielectric Ceramics	Science and Technology, Taipei, Taiwan
			Kaoru Miyashita*1, Masanori Takemoto1, Tatsuya Okubo1, Toru Wakihara1,2
		Substitution behavior of rare-earth elements in apatite under high pressure	1 Department of Chemical System Engineering, The University of Tokyo, Japan
P-D-15	Mr. Kaoru Miyashita	condition	2 Institute of Engineering Innovation, The University of Tokyo, Japan
			Y.T. Nien*, Z.Y. Ho, X.M. Su, S.C. Ma, C.Y. Chen
		Preparation and characterization of yttrium aluminum garnet phosphor ceramics	Department of Materials Science and Engineering, National Formosa University,
P-D-16	Prof. Yung-Tang Nien	using laser-assisted flash sintering	Taiwan
			Seika Tokumitsu 1, Tsuneo Kusunoki1, Satoshi Makio1, Hisashi Minemoto 2
			1 OXIDE Corporation, Japan
		Design and evaluation of ternary-composite-ceramic phosphors using SPS	2 Institute of Laser Engineering, Osaka University, Japan
P-D-17	Ms. Seika Tokumitsu	method	
			H Abe*1, K Shinoda2, M Akoshima1, K Kinoshita3, M Suzuki4, M Shahien2
			1 National Metrology Institute of Japan, National Institute of Advanced Industrial
			Science and Technology (AIST), Japan
			2 Advanced Manufacturing Research Institute (AMRI), AIST, Japan
		Evaluation of Thermal Properties of Thermal Barrier Coatings Deposited with	3 Department of Energy and Environment, AIST, Japan
P-D-18	Dr Haruka Abe	Ceramic Fine Particles	4 Global Zero Emission Research Center (GZR) AIST Japan
	bir narana 7.60		Haruka Abe*1
			1 National Metrology Institute of Japan National Institute of Advanced Industrial
			Science and
		Development of a Method for Measuring Thermal Conductivity of Powders using	Technology (AIST) Japan
P-D-19	Dr. Haruka, Abe	Soberical Structures	
	Shirianana ribo		Takahiro Saito*1, lunichi Tatami1, Motovuki lijima1, Tatsuki Ohij1, Tsukaho Yahagi2
			Takuma Takahashi2. Hiromi Nakano3
			1 Yokohama National University
		Effect of TiO2 and AIN addition on the mesoscale mechanical properties of Si3NA	2 Kanadawa Institute of Industrial Science and Technology
P D 20	Mr. Takabira, Saita	coramics	2 Toyobachi University of Technology
1 0 20	WIT: Takamito Saito	Surface affinity of silica particles investigated by a time domain nuclear	Tomova Nagata*1) Ariga Kata1) Junka Ikada2 3) Tomonori Eukasawa() Paul
D D 21	Deef Obilier Taliai		Vinueriui Kimerič), Vuluei Cerelič), Obile Telei Verrekitel, 2, 5)
F-D-21	FTUI, GIIIKA TAKAI		Chang De Chang*1 V: Chau*1
			1 Department of Misselecture in Engineering National Keeleiner University of
			Science and Technology, Taiwan
D 00	Drof Charry Dr. Ol.	Entripation and Characteristics - + WIZO MCM UV DU LULU	ocience and recimology, raiwan
r-u-22	FIGE STIENG-PO Chang	rabilitation and Unaracteristics of WIZU MSM UV Photodetectors	Chun Kai Wang*1) Yu Zung Chin 2) Ung Dr Lin 2)
			unun-real warig 1), 1u-zurig uniou 2), Hong-De Liou 2)
			1) Department of Microelectronics Engineering, National Kaohsiung University of
			Science and Lechnology, Laiwan
D D 00		Effect of Annealing Temperature on RF-Sputtered Ga ₂ O ₃ MSM Deep Ultraviolet	2) Department of Electronics Engineering, Southern Taiwan University of Science and
P-D-23	Prof. Chun-Kai Wang	Photodetectors on Sapphire Substrate	recnnology, Falwan
			IVI. Castro* 1, S. Li 1, K. Yang 1, T. Imatani 1, M. Sakai 1
			1 Department of Nuclear Engineering and Management, The University of Tokyo,
P-E-01	Mr. Michael Castro	Development of a Reduced-order Model for Gas-Solid Flow with Heat Transfer	lokyo, Japan
		inumerical simulation on sequential powder die-filling processes in a rotary tablet	A. Hasnimoto*1, M. Sakail
P-E-02	Mr. Arata Hashimoto	press	1 The University of Tokyo, Japan
			Jiangkuan Xing *1, Satoshi Umemoto 2, Kenji Tanno 2, Hiroaki Watanabe 3, Ryoichi
			Kurose1
			1 Department of Mechanical Engineering and Science, Kyoto University, Japan
			2 Central Research Institute of Electric Power Industry (CRIEPI), Japan
			3 Department of Advanced Environmental Science and Engineering, Kyushu University,
		Carrier-phase Direct Numerical Simulations of Coal Gasification Using Detailed	Japan
P-E-03	Dr. Jiangkuan Xing	and Global Chemistry	
	-		
		Multi-timescale Reduced-order Model: A Data-driven Approach for Fast DEM-	Kai-en Yang *1, Shuo Li 1, Mikio Sakai 1
P-E-04	Mr. Kai-en Yang	CFD Simulations	1 Department of Nuclear Engineering and Management. The University of Tokyo. Japan
	3		Boen LI *1, Toshiki IMATANI 1, Mikio SAKAI 1
P-E-05	Mr. Boen Ll	Numerical analysis on gas-solid-liquid flow system by the DEM-VOF method	1 Department of Nuclear Engineering & Management, the University of Tokyo
L			

		Influences of interfacial shear stress in phase change heat transfer on an on-	Hai-Ping Hu
P-E-06	Prof. Hai-Ping Hu	isothermal sphere with eddy diffusivity	Department of Marine Engineering, National Taiwan Ocean University, Taiwan
		Mesoscale numerical modeling of reactive flow in packed bed reactor of porous	
P-E-07	Mr. Masato Nii	particles	M. Nii *, M. Shirzadi, T. Ogi, T. Fukasawa, K. Fukui, T. Ishigami
			Li-Shin Lu *1, Qi-Han Jiang 2, Shu-San Hsiau 2,3 , Tsung-Yen Huang 4, Yong-Hao Siao
			4
			1. Department of Industrial Engineering and Management, National Quemoy University,
			Kinmen, Taiwan
			2. Department of Mechanical Engineering, National Central University, Taoyuan,
		Analysis of the Influence of Hot Briquetted Iron Addition on the Charging and	Taiwan
		Discharging Behavior in a Blast Furnace-Top Hopper Using the Discrete Element	3. Institute of Energy Engineering, National Central University, Taoyuan, Taiwan
P-E-08	Dr. Li-Shin Lu	Method	4. China Steel Corporation, Kaohsiung, Taiwan
			Ryo Tamai*, Takuya Tsuji, Toshitsugu Tanaka, Kimiaki Washino
			Department of Mechanical Engineering, The University of Osaka, Osaka, Japan
P-E-09	Mr. Ryo Tamai	CFD-DEM simulation of pneumatic conveying using a coarse grain model	
			Iori Nishizawa *1), Kizuku Kushimoto 2), Junya Kano 2)
			1) Graduate School of Environmental Studies, Tohoku University, Japan
			2) Institute of Multidisciplinary Research for Advanced Materials, Tohoku University,
			Japan
P-E-10	Mr. lori Nishizawa	Modeling Consolidation Behaviour Using DEM-Based Approach	
			Kota Matsunaga*1, Shujiro Fujioka*1, Kensuke Shobuzako*2, Mitsuteru Asai*1
			1 Graduate School of Civil Engineering, Kyushu University, Japan
			2 Department of Earth and Planetary Sciences, Graduate School of Science, Kyushu
		LS-SPH: A high order SPH formulation based on the moving least squares with	University, Japan
P-E-11	Mr. Kota Matsunaga	boundary constraints	
			Taiki Segawa*1, Yoshiya Shirakami*1, Yoichi Yuki*2, Suguru Kano*2, Mitsuteru Asai*1
			1 Graduate School of Civil Engineering, Kyushu University, Japan
			2 Yokogawa Bridge Holdings Corporation, Japan
P-E-12	Mr. Taiki Segawa	SPH Formulation on Non-Newtonian Model for Fresh Concrete Flow Prediction	
			Xiaoying Cheng, Xiaoxia Guo*, Shunying Ji
		Discrete Element Analysis of the Dynamic Behavior of Frozen Gravel Runways	State Key Laboratory of Structural Analysis, Optimization and CAE Software for
P-E-13	Prof. Xiaoxia Guo	Under Aircraft Load Effects	Industrial Equipment, Dalian University of Technology, Dalian 116024, China
			Masafumi Komiya*1, Mikio Sakai1
P-E-14	Mr. Masafumi Komiya	DEM-CFD simulation on the suction effect in powder die filling	1 The University of Tokyo, Japan
		Optimization of Air Filter Microstructure Using Machine Learning and Numerical	H. Tsuzuki*, M. Shirzadi, T. Fukasawa, K. Fukui, T. Ishigami
P-E-15	Ms. Hina Tsuzuki	Simulation	Hiroshima University