

Program of ICEC2022

July 30th (Sat) **Room A** (Japan Standard Time)

16:00-16:30	Opening	
	Hiromi Yamashita	(Chair of ICEC2022, Osaka University)
	Atsushi Satsuma	(Chair of ICEC2022, Nagoya University)
	Michael Stockenhuber	(Chair of IAB of ICEC, The University of Newcastle)
	Ichiro Yamanaka	(President of CSJ, Tokyo Institute of Technology)

Room A July 30th(Sat) 16:30-17:30			
Chair: Atsushi Satsuma (Nagoya University)			
No.	Title of Paper	Authors	Affiliation
PL-1 16:30-17:30	Investigating non thermal plasma catalysis using in-situ methods	Christopher Hardacre	University of Manchester

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July 31st (Sun) **Room A** (Japan Standard Time)

Room A July 31st (Sun) 9:00-10:00			
Chair: Masato Machida (Kumamoto University)			
No.	Title of Paper	Authors	Affiliation
PL-2 9:00-10:00	Porous materials in CO ₂ capture & conversion	Christopher W. Jones	Georgia Institute of Technology

Room A July 31st (Sun) 10:20-12:00			
Chair: Masaaki Haneda (Nagoya Institute of Technology)			
Xinyong Li (Dalian University of Technology)			
No.	Title of Paper	Authors	Affiliation
KN-1 10:20-11:00	Why Cu-zeolites are efficient and stable catalysts for NH ₃ -SCR of NO _x	Yulong Shan, Jinpeng Du, Feng-Shou Xiao, <u>Hong He</u>	Chinese Academy of Sciences
OA01 11:00-11:20	Silica modulated palladium catalyst with superior activity for the selective catalytic reduction of nitrogen oxides with hydrogen	<u>Shaohua Xie</u> , Yuejin Li, Fudong Liu	University of Central Florida
OA02 11:20-11:40	Microwave-assisted synthesis of manganese oxide catalysts for total toluene oxidation	<u>Peifen Wang</u> , Xiaowei An, Xuli Ma, Xiaogang Hao, Abuliti Abudula, Guoqing Guan	Taiyuan University of Technology
OA03 11:40-12:00	Selective catalytic reduction of NO _x by methanol on metal-free zeolite with Brønsted and Lewis acid pair	<u>Han Sun</u> , Fei Han, Yaxin Xu, Haijun Chen	Nankai University

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July 31st (Sun) Room A (Japan Standard Time)

Room A July 31st (Sun) 13:00-15:20			
Chair: Atsushi Satsuma (Nagoya University)			
Haijun Chen (Nankai University)			
No.	Title of Paper	Authors	Affiliation
KN-3 13:00- 13:40	Controlling catalytic processes via catalytic acid and redox site manipulation for environmental applications	Penghui Yan, Luke Harvey, Xinxin Tian, Eric Kennedy, <u>Michael Stockenhuber</u>	The University of Newcastle
OA04 13:40- 14:00	Oxidation of carbon monoxide at low temperature over silver supported on titanium dioxide	<u>Naoki Mimura</u> , Maya Chatterjee, Norihito Hiyoshi, Takashi Fukuda, Masateru Nishioka	National Institute of Advanced Industrial Science and Technology (AIST)
OA05 14:00- 14:20	Preparation of atomic Pd site supported Ti-SBA-15 for efficient typical VOCs combustion	<u>Meicheng Wen</u> , Shengnan Song, Qiuxia Liu, Meiyu Lv, Taicheng An	Guangdong University of Technology
OA06 14:20- 14:40	<u>Invited</u> Efficient adsorption and destructive desorption of VOCs on copper-manganese spinel oxides with microwave heating process	Siyu Ding, Tatsuya Hamashima, Hajime Hojo, <u>Hisahiro Einaga</u>	Kyushu University
OA07 14:40- 15:00	Adsorption and catalysis conversion for removal and recovery of volatile organic compounds	<u>Xinyong Li</u>	Dalian University of Technology
OA08 15:00- 15:20	Tuning SMSI to improve the catalytic performance of Pd/TiO ₂ for HCHO oxidation	<u>Chunying Wang</u> , Yaobin Li, Changbin Zhang, Wenpo Shan, Hong He	Chinese Academy of Sciences

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July 31st (Sun) Room A (Japan Standard Time)

Room A July 31st (Sun) 15:50-18:10 Chair: Hisahiro Einaga (Kyushu University) Meicheng Wen (Guangdong University of Technology)			
No.	Title of Paper	Authors	Affiliation
OA09 15:50-16:10	Reaction mechanism of NO _x reduction in an electric field at low temperatures	<u>Ayaka Shigemoto</u> , Takuma Higo, Yuki Narita, Yuki Omori, Kohei Sugihara, Toru Uenishi, Yasushi Sekine	Waseda University
OA10 16:10-16:30	<u>Invited</u> Selective catalytic reduction of NO _x by methanol on zeolites	<u>Haijun Chen</u> , Han Sun, Yaxin Xu, Dekai Liu	Nankai University
OA11 16:30-16:50	<u>Invited</u> Interplay between NO Reduction and NH ₃ Oxidation during SCR Reaction over CuSSZ-13 Catalysts Revealed by Isotopic ¹⁵ NH ₃ and ¹⁸ O ₂ Catalytic Studies Supported by EPR and IR Spectroscopy and First Principles Thermodynamic Modelling	P. Pietrzyk, M. Fedyna, K. Gora-Marek, B. Mozgawa, F. Zasada, Ch. Yin, Zh. Zhao, <u>Z. Sojka</u>	Jagiellonian University
OA12 16:50-17:10	Catalytic activity of Co ₃ O ₄ nanoparticles embedded in yolk-shell structures in combustion of toluene	<u>Anna Rokicińska</u> , Piotr Łątka, Bazyli Olszański, Magdalena Żurowska, Marek Drozdek, Marek Michalik, Piotr Kuśtrowski	Jagiellonian University
OA13 17:10-17:30	Maximizing information with a data-driven modeling framework for NH ₃ adsorption in a vanadium-based SCR catalyst	<u>Andres F. Suarez-Corredor</u> , Matthäus U. Bäbler, Louise Olsson, Magnus Skoglundh, Björn Westerberg	Chalmers University of Technology
OA14 17:30-17:50	Reactivity of Fe-MOR and Fe-FER in the catalytic abatement of N ₂ O with CH ₄ : in situ UV-vis and operando FT-IR study	Maria Cristina Campa, Daniela Pietrogiaconi, Carlotta Catracchia, Joanna Olszowka, Kinga Mlekodaj, Mariia Lemishka, Jiri Dedecek, <u>Edyta Tabor</u>	Sapienza University of Rome
OA15 17:50-18:10	Investigation of hysteresis phenomena during CO oxidation over Pt-based catalyst: a SSITKA-IR study	Ibrahim Hatoum, Méliissandre Richard, <u>Christophe Dujardin</u>	UCCS Centrale Lille

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July 31st (Sun) Room B (Japan Standard Time)

Room B July 31st (Sun) 10:20-12:00			
Chair: Machida Masato (Kumamoto University)			
Tetsuya Shishido (Tokyo Metropolitan University)			
No.	Title of Paper	Authors	Affiliation
OB01 10:20-10:40	Reactivity of lattice oxygen in Ti-site substituted SrTiO ₃ catalyst for CO oxidation	<u>Saburo Hosokawa</u> , Yuji Yoshiyama, Masaaki Haneda, Hiroyuki Asakura, Kentaro Teramura, Tsunehiro Tanaka	Kyoto Institute of Technology
OB02 10:40-11:00	<u>Invited</u> Vanadium-titanium catalysts for synergistic elimination of VOCs and NOx from coal-fired flue gas	<u>Yun Hu</u> , Gaofei Xiao, Ziyang Guo, Beilong Lin	South China University of Technology
OB03 11:00-11:20	<u>Invited</u> Catalytic Non-thermal Plasma Reactor for Air Cleaning	KVSS Bhargavi, M. Umamaheshwara Rao, <u>Ch. Subrahmanyam</u>	Indian Institute of Technology, Hyderabad
KN-2 11:20-12:00	Novel low-temperature emission control catalysts for lean and stoichiometric applications	<u>Todd J. Toops</u>	Oak Ridge National Laboratory

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July 31st (Sun) Room B (Japan Standard Time)

Room B July 31st (Sun) 13:00-15:20			
Chair: Shinji Iwamoto (Gunma University) Yun Hu (South China University of Technology)			
No.	Title of Paper	Authors	Affiliation
OB04 13:00- 13:20	Influence of supporting substrates to the adsorption mechanism of toxic gases on graphene surface for environmental monitoring: first principle investigation	<u>Viet Bac T. Phung</u> , Van An Dinh	VNU Vietnam Japan University
OB05 13:20- 13:40	Low-temperature NO _x removal (NH ₃ -SCR) in the presence of water over Na incorporated V ₂ O ₅	Yusuke Inomata, Hiroe Kubota, Yoshinori Honmatsu, Sosuke Sakotani, Kazuhiro Yoshida, Takashi Toyao, Ken-ichi Shimizu, <u>Toru Murayama</u>	Tokyo Metropolitan University
OB06 13:40- 14:00	Aerosol-assisted synthesis of mesoporous titanium oxide with controlled porosity	<u>Yuxiao Zhang</u> , Ryutaro Wakabayashi, Tatsuo Kimura	National Institute of Advanced Industrial Science and Technology
OB07 14:00- 14:20	<u>Invited</u> Ethylene oxidation by supported platinum catalyst for preservation of fruits and vegetables	<u>Atsushi Fukuoka</u>	Hokkaido University
OB08 14:20- 14:40	<u>Invited</u> Selective catalytic reduction of NO over Rh supported on hydroxyapatite	Shun Doi, Hiroki Miura, <u>Tetsuya Shishido</u>	Tokyo Metropolitan University
OB09 14:40- 15:00	Anchoring on the surface and doping in the structure: the two existing forms of Ag in perovskite realize the simultaneous catalytic oxidation or removal of various pollutants from diesel emissions	<u>Lijun He</u> , Yan Zhang, Liehao Wei, Weichao Wang, Caixia Liu, Qingling Liu	Tianjin University
OB10 15:00- 15:20	<u>Invited</u> A diffusion blocking effect of hexaaluminate in inhibiting thermal deactivation of supported Rh nanoparticle catalyst	Shundai Iwashita, Hiroshi Yoshida, Junya Ohyama, <u>Masato Machida</u>	Kumamoto University

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July 31st (Sun) Room B (Japan Standard Time)

Room B July 31st (Sun) 15:50-18:10			
Chair: Toru Murayama (Tokyo Metropolitan University)			
Ch. Subrahmanyam (Indian Institute of Technology)			
No.	Title of Paper	Authors	Affiliation
OB11 15:50- 16:10	Boosting the catalytic reduction performance and resistance of deactivation to vanadium based catalyst	<u>Bora Jeong</u> , Myeung-jin Lee, Geumyeon Lee, Bora Ye, Hong-Dae Kim	Korea Institute of Industrial Technology
OB12 16:10- 16:30	Insight into the interaction of Ce-W active sites at different temperatures and their effects on NH ₃ -SCR performance	<u>Jingjing Liu</u> , Yunbo Yu, Xiaoyan Shi, Qingcai Feng, Hong He	Chinese Academy of Sciences
OB13 16:30- 16:50	<u>Invited</u> Elucidation of oxygen reactivity at Pd-CZ interface in engine-aged three-way catalyst	<u>Masaaki Haneda</u> , Yuichiro Nakamura, Toyofumi Tsuda, Fumikazu Kimata, Saburo Hosokawa, Hiroyuki Asakura, Kinichi Iwachido	Nagoya Institute of Technology
OB14 16:50- 17:10	Design of Ag and Ag-Pt catalysts on Ce-Mn oxides for aftertreatment of exhaust gases emitted by diesel engines	Maria Grabchenko, Daria Savenko, Tamara Kharlamova, Eleonora La Greca, Giuseppe Pantaleo, Luca Consentino, Valeria La Parola, Olga Vodyankina, <u>Leonarda Francesca Liotta</u>	National Research Council (CNR)
OB15 17:10- 17:30	Mesoporous silica materials modified with copper by TIE method as catalysts for low-temperature NH ₃ -SCR process	<u>Lucjan Chmielarz</u> , Aleksandra Jankowska, Andrzej Kowlaczyk, Małgorzata Rutkowska	Jagiellonian University
OB16 17:30- 17:50	A green route to the catalytic nitrous oxide decomposition by copper doped hydroxyapatites	<u>Sebastiano Campisi</u> , Melissa G. Galloni, Sara Morandi, Maela Manzoli, Antonella Gervasini	Università degli Studi di Milano
OB17 17:50- 18:10	Study of a basic support in the oxidation of humid, lean methane gas streams	<u>Matthew Bligh</u> , Matthew Drewery, Eric M. Kennedy, Michael Stockenhuber	University of Newcastle

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July 31st (Sun) Room C (Japan Standard Time)

Room C July 31st (Sun) 10:20-12:00			
Chair: Takato Mistudome (Osaka University)			
Gokhan Celik (Middle East Technical University)			
No.	Title of Paper	Authors	Affiliation
OC01 10:20- 10:40	Elucidation of ammonia synthesis over Cs-promoted Ru catalysts supported on mesoporous carbon	Wei-Chih Hsiao, <u>Shih-Yuan Chen</u> , Masayasu Nishi, Takehisa Mochizuki, Ho-Hsiu Chou, Hsin-Yi Tiffany Chen, Chia-Min Yang	National Institute of Advanced Industrial Science and Technology (AIST)
OC02 10:40- 11:00	Reduction of 1,2-octanediol to dioctyl ether over WO _x -Pd/TiO ₂ catalyst	<u>Yoshinao Nakagawa</u> , Hiroki Hayasaka, Masazumi Tamura, Keiichi Tomishige	Tohoku University
OC03 11:00- 11:20	Edge-confined 2D 1T-MoS ₂ boosting selective hydrogenation of maleic anhydride	<u>Yi Zhao</u> , Yongfa Zhu, Yang Lou	Jiangnan University
OC04 11:20- 11:40	Phthalic acid-immobilized polymer beads of hyperbranched poly(ether ketone) for hydrolysis of glycosidic bonds	<u>Yuta Nabae</u> , Tomomi Onitake, Teruaki Hayakawa, Cheng Yang, Atsushi Fukuoka, Hirokazu Kobayashi	Tokyo Institute of Technology
OC05 11:40- 12:00	Low-temperature hydrocracking of pyrolytic lignin over nickel-ruthenium/ceria-modified HZSM-5	<u>Lien Thi Do</u> , Jae-Wook Choi, Jeong-Myeong Ha, Chun-Jae Yoo	Korea Institute of Science and Technology

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July 31st (Sun) Room C (Japan Standard Time)

Room C July 31st (Sun) 13:00-15:20			
Chair: Yoshinao Nakagawa (Tohoku University) Yuta Nabae (Tokyo Institute of Technology)			
No.	Title of Paper	Authors	Affiliation
OC06 13:00- 13:20	Controlling surface hydrogen and its utilization for low temperature ammonia synthesis	<u>Hiroshi Sampei</u> , Kota Murakami, Atsushi Ishikawa, Takuma Higo, Hideaki Tsuneki, Hiromi Nakai, Yasushi Sekine	Waseda University
OC07 13:20- 13:40	Effect of chlorination on the catalytic activity of ZrO ₂ toward nonoxidative propane dehydrogenation	<u>Gokhan Celik</u> , Asmae Bouziani	Middle East Technical University
OC08 13:40- 14:00	Air-stable non-noble metal phosphide catalysts for selective hydrogenation reactions	<u>Takato Mitsudome</u> , Min Sheng, Sho Yamaguchi, Tomoo Mizugaki	Osaka University
OC09 14:00- 14:20	Selective reduction of cinnamaldehyde over Zr-based MOF catalysts in the presence of water	<u>Keita Taniya</u> , Atsushi Sakamoto, Takafumi Horie, Yuichi Ichihashi, Satoru Nishiyama	Kobe University
OC10 14:20- 14:40	<u>Invited</u> Design of supported iridium catalysts for the synthesis of benzoxazoles via a borrowing hydrogen route	<u>Kenji Wada</u> , Han Yu, Qi Feng	Kagawa University
KN-4 14:40- 15:20	Reaction pathways of catalytic lignin conversion in ethanol	<u>Yongdan Li</u> , Yushuai Sang	Aalto University

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July 31st (Sun) Room C (Japan Standard Time)

Room C July 31st (Sun) 15:50-18:10			
Chair: Kenji Wada (Kagawa University) Keita Taniya (Kobe University)			
No.	Title of Paper	Authors	Affiliation
OC11 15:50- 16:10	Metal sulfates as air cleaning catalysts under ambient conditions	<u>Hideyuki Okumura</u> , Shohei Nakanishi, Yusuke Sawashima, Koji Yoshikawa, Keiichi N. Ishihara	Kyoto University
OC12 16:10- 16:30	Enzyme-mimicking single-atom catalysts for boosted Fenton-like reactions and catalytic water decontamination	Zhongshuai Zhu, Shaobin Wang, <u>Xiaoguang Duan</u>	The University of Adelaide
OC13 16:30- 16:50	Catalytic Liquid-phase oxidation of phenol using novel catalysts based on lanthanum oxyfluoride	<u>Naoyoshi Nunotani</u> , Zhuowei Li, Nobuhito Imanaka	Osaka University
OC14 16:50- 17:10	Carbon quantum dots Fenton-like catalysis	<u>Ting Zhang</u> , Xufang Qian	Shanghai Jiao Tong University
OC15 17:10- 17:30	Efficient activation of peroxymonosulfate (PMS) by metal oxides for degradation of ibuprofen (IBF)	Cheng-Wei Lin, Meng-Wei Zheng, <u>Shou-Heng Liu</u>	National Cheng Kung University
OC16 17:30- 17:50	Water flow-triggered piezo-activation of persulfate for water treatment	<u>Mingshan Zhu</u> , Shenyu Lan	Jinan University
OC17 17:50- 18:10	Removal and decomposition of nitrate over anion-exchange resin containing gold nanoparticles toward purification of groundwater polluted with nitrate	<u>Bobo Yan</u> , Koki Kato, Ryoichi Otomo, Yuichi Kamiya	Hokkaido University

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July 31st (Sun) Room D (Japan Standard Time)

Room D July 31st (Sun) 10:20-12:00			
Chair: Hiroshi Onishi (Kobe University)			
Zhenfeng Bian (Shanghai Normal University)			
No.	Title of Paper	Authors	Affiliation
OD01 10:20-10:40	<u>Invited</u> Initiative invasion assisted photoelectrocatalytic antibacterial route based on ZIF-67@CoO photoanode	Mengna Ding, <u>Yuning Huo</u> , Hexing Li	Shanghai Normal University
OD02 10:40-11:00	Photoelectrochemical oxidation of cellulose dissolved in aqueous solution for electric power generation or hydrogen evolution	<u>Yosuke Kageshima</u> , Hiromasa Wada, Katsuya Teshima, Hiromasa Nishikiori	Shinshu University
OD03 11:00-11:20	Doping and build-in electric field mediated Z-scheme Mo-doped ZnIn ₂ S ₄ /NiTiO ₃ heterojunction for efficient photocatalytic hydrogen evolution	<u>Jinchen Fan</u> , Jiafeng Zhu, Xueling Song, Lei Wang, Guisheng Li	University of Shanghai for Science and Technology
OD04 11:20-11:40	<u>Invited</u> Graphitic carbon nitride-based materials for photothermal generation of hydrogen	Xiaojie Li, Huayang Zhang, Hongqi Sun, <u>Shaobin Wang</u>	The University of Adelaide
OD05 11:40-12:00	Greenhouse inspired supra-photothermal CO ₂ catalysis	Mujin Cai, Zhiyi Wu, <u>Le He</u>	Soochow University

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July 31st (Sun) Room D (Japan Standard Time)

Room D July 31st (Sun) 13:00-15:20			
Chair: Yosuke Kageshima (Shinshu University) Shaobin Wang (The University of Adelaide)			
No.	Title of Paper	Authors	Affiliation
OD06 13:00- 13:20	<u>Invited</u> Defect-engineering-promoted photocatalysis for NO removal	Ting Gao, <u>Chuanyi Wang</u>	Shaanxi University of Science and Technology
OD07 13:20- 13:40	<u>Invited</u> Infrared absorption of semiconductor photocatalysts excited under water: operando study with an ATR prism	Zhebin Fu, <u>Hiroshi Onishi</u>	Kobe University
OD08 13:40- 14:00	Controllable synthesis and efficient hydrogen production of ultra-thin carbon nitride materials	<u>Hui Xu</u>	Energy Research Institute of Jiangsu University
OD09 14:00- 14:20	Fabrication of MnOOH modified TiO ₂ (B) microspheres to enhance photocatalytic NO _x conversion and selectivity	<u>He Ma</u> , Changhua Wang, Xintong Zhang	Northeast Normal University
OD10 14:20- 14:40	Design of metal-organic framework photocatalysts with linker defects for efficient hydrogen production under visible light	<u>Yu Horiuchi</u> , Masaya Matsuoka	Osaka Metropolitan University
OD11 14:40- 15:00	<u>Invited</u> Precious metals recovery through photocatalysis	<u>Zhenfeng Bian</u>	Shanghai Normal University
OD12 15:00- 15:20	<u>Invited</u> Robust construction of CdSe nanobelts@Ti ₃ C ₂ MXene nanosheet for superior photocatalytic H ₂ evolution	Huajun Gu, Huihui Zhang, Xinglin Wang, <u>Wei-Lin Dai</u>	Fudan University

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July 31st (Sun) Room D (Japan Standard Time)

Room D July 31st (Sun) 15:50-18:10 Chair: Takanori Miyake (Kansai University) Wei-Lin Dai (Fudan University)			
No.	Title of Paper	Authors	Affiliation
OD13 15:50- 16:10	Spinel based photocatalyst for efficient CO ₂ conversion	<u>Shiying Fan</u> , Xinong Li	Dalian University of Technology
OD14 16:10- 16:30	Surface engineering of titania boosts electro-assisted propane dehydrogenation at low temperature	<u>Jianshuo Zhang</u> , Shinya Furukawa	Hokkaido University
OD15 16:30- 16:50	New green path to high-value chemicals from CO ₂ by electrocatalysis	<u>Siglinda Perathoner</u> , Salvatore Abate, Rosalba Passalacqua, Gabriele Centi	University of Messina
KN-5 16:50- 17:30	Scale-up and application of MOF "CALF-20" for CO ₂ capture from Flue Gases	<u>Stefan Marx</u> , Omid Ghaffari-Nik, Pierre Hovington, George K. H. Shimizu	BAFS
OD16 17:30- 17:50	<u>Invited</u> Hydrolysis behaviour of polyester resins in high-temperature liquid water	<u>Masayuki Shirai</u> , Kenkichi Taniguchi, Etty N. Kusumawati, Hidetaka Nanao, Aritomo Yamaguchi, Osamu Sato	Iwate University
OD17 17:50- 18:10	New electrodes for CO ₂ reduction using zeolite-template carbon to close the C-cycle in industrial processes	G. Papanikolaou, G. Centi, <u>S. Perathoner</u> , P. Lanzafame	University of Messina

Program of ICEC2022 (Japan Standard Time)

	July 30th (Sat)	July 31st (Sun)				August 1st (Mon)				August 2nd (Tue)																			
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8:00		Registration				Registration				Registration																			
9:00		PL-2 Christopher W. Jones				PL-3 Hirohito Hirata				PL-4 Junhua Li																			
10:00		Break				Break				Break																			
		KN-1 Hong He	OB01	OC01	OD01	OA16	KN-6 Do Heui Kim	OC18	OD18	KN-10 Jingguang Chen	OB33	OC35	OD23																
			OB02	OC02	OD02	OA17		OC19	OD19		OB34	OC36	OD24																
11:00		OA01	OB03	OC03	OD03	OA18	OB18	OC20	OD20	OA33	OB35	OC37	OD25																
		OA02	KN-2 Todd J. Toops	OC04	OD04	OA19	OB19	OC21	OD21	OA34	OB36	OC38	KN-11 Atsushi Urakawa																
		OA03	OC05	OD05		OA20	OB20	OC22	OD22	OA35	OB37	OC39																	
12:00		Lunch				Lunch				Lunch																			
13:00		KN-3 Michael Stockenhuber	OB04	OC06	OD06	KN-7 Masaru Ogura	OB21	OC23	OD26	OA36	KN-12 Jiaguo Yu	OC40	OD26																
			OB05	OC07	OD07		OB22	OC24	OD27	OA37		OC41	OD27																
		OA04	OB06	OC08	OD08	OA21	OB23	OC25	OD28	OA38	OB38	OC42	OD28																
14:00	Registration	OA05	OB07	OC09	OD09	OA22	OB24	OC26	OD29	KN-13 Wonyong Choi	OB39	OC43	OD29																
		OA06	OB08	OC10	OD10	OA23	OB25	OC27	OD30		OB40	OC44	OD30																
		OA07	OB09	KN-4 Yongdan Li	OD11	OA24	KN-8 Kevin C. W. Wu	OC28	OD31	OA39	OB41	OC45	KN-14 Ning Yan																
15:00			OA08	OB10	OD12		OA25	OC29	OD32	OA40	OB42	OC46	OD32																
		Break				Break				Break																			
16:00	Opening	OA09	OB11	OC11	OD13	OA26	OB26	OC30	OD31	OA41	OB43	KN-15 Anne Giroir- Fendler	OD31																
		OA10	OB12	OC12	OD14	OA27	OB27	OC31	OD32	OA42	OB44	OC47	OD32																
	PL-1 Christopher Hardacre	OA11	OB13	OC13	OD15	OA28	OB28	OC32	OD33	OA43	OB45	OC48	OD33																
17:00		OA12	OB14	OC14	KN-5 Stefan Marx	OA29	OB29	KN-9 Gabriele Centi	OD34	KN-16 Jan-Dierk Grunwaldt	OB46	OC49	OD34																
		OA13	OB15	OC15		OA30	OB30	OC33	OD35		OB47	OC50	OD35																
		OA14	OB16	OC16	OD16	OA31	OB31	OC34	OD36	OA44	OB48	OC51	OD36																
		OA15	OB17	OC17	OD17	OA32	OB32	OC34	OD37	OA45	OB49	OC51	OD37																
18:00		Break				Break				Break																			
19:00		Short Presentation of Poster (Room A) in-person only	Poster P01 - P40 (Room P-1)	Poster P41 - P83 (Room P-2)		Short Presentation of Poster (Room A) in-person only	Poster P84 - P130 (Room P-1)	Poster P131 - P175 (Room P-2)		Closing	<table border="1" style="font-size: small; width: 100%;"> <tr> <th colspan="2">Presentation time including Q&A (min)</th> </tr> <tr> <td>Plenary</td> <td>60</td> </tr> <tr> <td>Keynote</td> <td>40</td> </tr> <tr> <td>Special Invited</td> <td>25</td> </tr> <tr> <td>Invited</td> <td>20</td> </tr> <tr> <td>Oral</td> <td>20</td> </tr> <tr> <td>Poster</td> <td>90</td> </tr> <tr> <td>Short Presentation</td> <td>5</td> </tr> </table>			Presentation time including Q&A (min)		Plenary	60	Keynote	40	Special Invited	25	Invited	20	Oral	20	Poster	90	Short Presentation	5
Presentation time including Q&A (min)																													
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20:00