

Session Time Table

★ 22nd November. (Wednesday)

Time		Ara convention Hall in Jeju National Univ.	
		Room A (STMT2017)	Room B (STMT2017)
8:00	18:00	Registration	
8:40	9:00	Opening of STMT2017 (Room A)	
9:00	9:50	Prof. Ping Wu(Plenary lecture I) - Room A (Chairman : Sungmo Moon)	
9:50	10:10	Coffee break	
		Oral 1 (Chairman : Sungmo Moon)	Oral 4 (Chairman : Dong-Hyun Kim/Chiaki Terashima)
10:10	10:40	(Invited) Prof. Wenbin Xue	(Invited) Dr. Dogeun Kim
10:40	11:10	(Invited) Prof. Bongyoung Yoo	(Invited) Prof. Tomonaga Ueno
11:10	11:40	(Invited) Prof. Yingliang Cheng	(Invited) Mr. Marco Roesch
11:40	12:00	Dr. Yao Qu	Mr. Zheng Yang
12:00	13:00	Lunch (Global House)	
13:00	14:00	Poster session (STMT2017)	
		Oral 2 (Chairman : Wenbin Xue)	Oral 5 (Chairman : Dogeun Kim/Tomonaga Ueno)
14:00	14:30	(Invited) Dr. Sungmo Moon	(Invited) Dr. Nguyen Van Phuong
14:30	15:00	(Invited) Prof. Younggun Ko	(Invited) Prof Chiaki Terashima
15:00	15:20	Dr. Yifan Zhang	Dr. NuSiA Eom
15:20	15:40	Dr. Yongchun Zou	Ms. Hye-Yeon Koo
15:40	16:00	Coffee break	
		Oral 3 (Chairman : Bongyoung Yoo)	Oral 6 (Chairman : Jae-Ho Lee/Chiaki Terashima)
16:00	16:30	(Invited) Prof. Jinsub Choi	(Invited) Prof. Nobuyuki Zettsu
16:30	17:00	(Invited) Prof. Junghoon Lee	(Invited) Prof. Injoon Son
17:00	17:30	(Invited) Naoki Matsuda	(Invited) Prof. Jae-Ho Lee
17:30	17:50	Dr. Lin Chen	Ms. Siti Fatimah
19:00	20:00	Technical meeting with Invited speakers	

★ 23rd November. (Thursday)

Time		Room A (STMT2017)	Room B (KISE fall meeting)
8:30	18:00	Registration	
9:00	9:50	Prof. Her-Hsiung Huang (Plenary lecture II) - Room A (Chairman : Sungmo Moon)	
9:50	10:10	Coffee break	
		Oral 7 (Chairman : Myeong-Hoon Lee)	
10:10	10:40	(Invited) Prof. Yaming Wang	
10:40	11:10	(Invited) Prof. Jyh-Wei Lee	
11:10	11:40	(Invited) Prof. Hideyuki Kanematsu	
11:40	12:00	Ms. Sol-Ji Song	
12:00	13:00	Lunch (Global House)	
13:00	14:00	Poster session (STMT2017 & KISE Fall Meeting)	
		Oral 8 (Chairman : Song-Zhu Kure-Chu)	
14:00	14:30	(Invited) Dr. Norifumi Isu	
14:30	15:00	(Invited) Prof. Song-Zhu Kure-Chu	
15:00	15:30	(Invited) Prof. Masatoshi Sakairi	
15:30	15:50	Dr. SeungHoe Choe	
16:00	16:20	Coffee break	
		Oral 9 (Chairman : Masatoshi Sakairi / Yaming Wang)	
16:20	16:50	(Invited) Prof. Han-Ki Kim	
16:50	17:20	(Invited) Prof. Keiichiro Sano	
17:20	17:40	Dr. Woo-Sung Choi	
17:40	18:00	Dr. Pan Jie	
19:00	20:00	Technical meeting with Invited speakers	

★ 24th November. (Friday)

Time		Room A (STMT2017)	Room B (KISE fall meeting)
8:30	18:00	Registration	
8:40	9:20	Prof. Nosang V. Myung(Plenary lecture III) - Room A (Chairman : Dong-Ho Kim)	
9:20	9:40	Coffee break	
		Oral 10 (Chairman : Byungchan Han)	
9:40	10:10	(Invited) Dr. Narin Jantaping	
10:10	10:40	(Invited) Dr. Dong-Ho Kim	
10:40	11:10	(Invited) Prof. Kazuya Nakata	
11:10	11:40	(Invited)Dr. Kyung Tae Kim	
11:40	12:00	Mr. Yunfeng Wu	
12:00	13:00	Lunch (Global House)	
13:00	14:00	Poster session (STMT2017 & KISE Fall Meeting)	
14:00	14:50	Prof. Nagahiro Saito(Plenary lecture IV) - Room A (Chairman : Sungmo Moon)	
14:50	15:00	Coffee break	
		Oral 11 (Chairman : Injoon Son)	
15:00	15:30	(Invited) Prof. Byungchan Han	
15:30	16:00	(Invited) Prof. Mei Yu	
16:00	16:20	Mr. Myeongje Jang	
16:20	16:30	Coffee break	
		Oral 12 (Chairman : Mei Yu)	
16:30	17:00	(Invited) Prof. Katsuya Teshima	
17:00	17:30	(Invited) Dr. Hyejeong Kim	
17:30	18:00	(Invited) Dr. Jiaqian Qin	
18:00	20:00	Banquet (Global House)	

Tantative Program Table

22 November(Wednesday)

Room A

22 November(Wednesday)				Room A
No.	Time	Paper Title	Presenting Author	Affiliation
08:00-18:00		Registration		
Room A				
08:40-09:00		Opening of STMT2017		
Room A (Chairman: Dr. Sungmo Moon)				
PL-01 (Plenary)	09:00-09:50	Surface modelling for semiconductors and alloys based on physical and mechanical chemistry	Ping Wu	Singapore University of Technology and Design
09:50-10:10		Coffee break		
Room A (Chairman: Dr. Sungmo Moon)				
SA-01 (Invited)	10:10-10:40	Application of Optic Emission Spectroscopy in Plasma Electrolytic Oxidation	Wenbin Xue	Beijing Normal University
SA-02 (Invited)	10:40-11:10	Improved heat dissipation using PEO films on Al6061 alloy	Bongyoung Yoo	Hanyang University
SA-03 (Invited)	11:10-11:40	The fabrication of tungsten oxide layers on pure Al substrate by plasma electrolytic oxidation in sodium tungstate based electrolytes	Yingliang Cheng	Hunan University
SA-04	11:40-12:00	Characterization of MicroarcOxidation Films Fabricated on Zr-Nb-Sn Alloy in Silicate Solution	Yao Qu	Beijing Normal University
12:00-13:00		Lunch(Global House)		
13:00-14:00		Poster session (STMT2017)		
Room A (Chairman: Prof. Wenbin Xue)				
SA-05 (Invited)	14:00-14:30	Surface treatment of metals based on plasma electrolytic oxidation method	Sungmo Moon	Korea Institute of Materials Science
SA-06 (Invited)	14:30-15:00	Plasma Electrolytic Oxidation for Protective Materials	YoungGun Ko	Yeungnam University
SA-07	15:00-15:20	A new method of phenol	Yifan Zhang	Beijing Normal

		degradation by microarc plasma electrolysis		University
SA-08	15:20-15:40	Microarc oxidation / rGO duplex coating formed on aluminum alloy: preparation, microstructure and thermal dissipation properties	Yongchun Zou	Harbin Institute of Technology
15:40-16:00		Coffee break		
Room A		(Chairman: Prof. Bongyoung Yoo)		
SA-09 (Invited)	16:00-16:30	High aspect ratio anodic TiO ₂ nanotubes with dopants for water oxidation: single step vs. potential shock vs. underpotential shock	Jinsub Choi	Inha University
SA-10 (Invited)	16:30-17:00	Multifunctional Onmiphobicity of Oil-Impregnated Nanoporous Anodic Aluminum Oxide Surfaces	Junghoon Lee	Pukyong National University
SA-11 (Invited)	17:00-17:30	In situ observation of adsorption/desorption and direct electron transfer reaction of cytochrome c on solid/liquid interfaces with slab optical waveguide spectroscopy	Naoki Matsuda	AIST
SA-12	17:30-17:50	Characterization of In-vitro Bioactivity film on Ti-39Nb-6Zr Alloy Fabricated by Microarc Oxidation	Lin Chen	Beijing Normal University
19:00-20:00		Technical meeting with Invited speakers		

22 November(Wednesday)

Room B

22 November(Wednesday)				Room B
No.	Time	Paper Title	Presenting Author	Affiliation
08:00-18:00		Registration		
Room A				
08:40-09:00		Opening of STMT2017		
Room A (Chairman: Dr. Sungmo Moon)				
PL-01 (Plenary)	09:00-09:50	Surface modelling for semiconductors and alloys based on physical and mechanical chemistry	Ping Wu	Singapore University of Technology and Design
09:50-10:10		Coffee break		
Room B (Chairman: Dr. Dong-Hyun Kim/Prof. Chiaki Terashima)				
SB-01 (Invited)	10:10-10:40	Fabrication of nanostructures and functionalization on various polymer substrates using linear ion beam source	Dogeun Kim	Korea Institute of Materials Science
SB-02 (Invited)	10:40-11:10	Surface modification of carbon materials	Tomonaga Ueno	Nagoya University
SB-03 (Invited)	11:10-11:40	High Performance Zinc Alloys	Marco Roesch	SurTec International
SB-04	11:40-12:00	Achieving High Performance Ambipolar MoS ₂ One-Dimensional Electrical Contact FET Through Plasma Etching	Zheng Yang	Sungkyunkwan University
12:00-13:00		Lunch(Global House)		
13:00-14:00		Poster session (STMT2017)		
Room B (Chairman: Dr. Dogeun Kim / Prof. Tomonaga Ueno)				
SB-05 (Invited)	14:00-14:30	Electrochemical Plating of Cu-Sn Alloy in Non-cyanide Solution Using Tetrakis-(2-hydroxypropyl)-ethylenediamine as Complexing Agent	Nguyen Van Phuong	MSC Co. Ltd.
SB-06 (Invited)	14:30-15:00	Solution plasma treatment of TiO ₂ materials for enhancing the photocatalytic activities	Chiaki Terashima	Tokyo University of Science
SB-07	15:00-15:20	Improvement of sensing performance using Cu _x O/SnO ₂	Nu Si A Eom	Korea Institute of Material Science

		nanocomposites toward H ₂ S gas at Room Temperature		
SB-08	15:20-15:40	Development of Cr coating to prevent FCCI (Fuel cladding chemical interaction)	Hye-Yeon Koo	Hanyang University
15:40-16:00		Coffee break		
Room B		(Chairman: Prof. Jae-Ho Lee / Prof. Chiaki Terashima)		
SB-09 (Invited)	16:00-16:30	Electrolyte/Electrode Interface Engineering Toward Advanced Lithium-ion Batteries	Nobuyuki Zettsu	Shinshu University
SB-10 (Invited)	16:30-17:00	Study on alternative electroplating processes for reducing gold usage in electrical connector	Injoon Son	Kyungpook national University
SB-11 (Invited)	17:00-17:30	Electro and Electroless Plating for the Electronics Industrial Applications	Jae-Ho Lee	Hongik University
SB-12	17:30-17:50	Ni-based incorporation for superior corrosion properties by surface modification	Siti Fatimah	Yeungnam University
19:00-20:00		Technical meeting with Invited speakers		

23 November(Thursday)**Room A**

23 November(Thursday)				Room A
No.	Time	Paper Title	Presenting Author	Affiliation
08:30-18:00		Registration		
Room A				(Chairman: Dr. Sungmo Moon)
PL-02 (Plenary)	09:00-09:50	Biological Response to Surface-modified Titanium and Zirconia Dental Implants	Her-Hsiung Huang	National Yang-Ming University
09:50-10:10		Coffee break		
Room A				(Chairman: Prof. Myeong-Hoon Lee)
SA-13 (Invited)	10:10-10:40	The improved corrosion resistance and fatigue properties of 2024 Al alloy treated by SMAT and MAO process	Yaming Wang	Harbin Institute of Technology
SA-14 (Invited)	10:40-11:10	Applications of Pack Cementation-based and Plasma-based Surface Treatment and Modification Technologies on Engineering Alloys	Jyh-Wei Lee	Ming Chi University of Technology
SA-15 (Invited)	11:10-11:40	Biofilms and Surface Finishing	Hideyuki Kanematsu	Suzuka College
SA-16	11:40-12:00	Applications of Silver Electroplating Method for Enhancement of the Electrical Properties of Silver and Copper Nanowires	Sol-Ji Song	Sungkyunkwan University
12:00-13:00		Lunch(Global House)		
13:00-14:00		Poster session (STMT2017)		
Room A				(Chairman: Prof. Song-Zhu Kure-Chu)
SA-17 (Invited)	14:00-14:30	Nature Inspired Anti-stain Surface Treatment for Housing Wet Area	Norifumi Isu	LIXIL Corp.
SA-18 (Invited)	14:30-15:00	One-Process Fabrication of Nanoporous Sn-SnO ₂ -TiO ₂ /Cu ₆ Sn ₅ Composite Films on Cu by Hybrid Electrodeposition for High Capacity Lithium-ion Battery Anodes	Song-Zhu S. Kure-Chu	Nagoya Institute of Technology
SA-19	15:00-15:30	Effect of Anodizing Conditions on	Masatoshi Sakairi	Hokkaidou University

(Invited)		Porous Alumina Formation at Selected area with Solution Flow type Micro-Droplet Cell		
SA-20	15:30-15:50	Modified Cyclic Voltammetry Stripping Analysis to Monitor Chemical Balance of Copper Electroplating Bath	SeungHoe Choe	Korea Institute of Materials Science
16:00-16:20		Coffee break		
Room A		(Chairman: Masatoshi Sakairi / Prof. Yaming Wang)		
SA-21 (Invited)	16:20-16:50	Highly flexible and transparent IWO electrode for OLEDs and perovskite solar cells	Han-Ki Kim	Kyung Hee University
SA-22 (Invited)	16:50-17:20	Reduction of odor from industrial material by using vegetable polyphenol and ozone water	Keiichiro Sano	Kanto Gakuin University
SA-23	17:20-17:40	Copper-Cobalt Oxide Nanosheets Catalyst Array on Nickel Foam for Oxygen Evolution Reaction	Woo-Sung Choi	Korea Institute of Materials Science
SA-24	17:40-18:00	Optimization of Passivator and Corrosion Resistance of Cr-III based Conversion Coating on Hot-dip Zn55Al Coating	Pan Jie	China University of Petroleum East China
19:00-20:00		Technical meeting with Invited speakers		

24 November(Friday)

Room A

24 November(Friday)				Room A
No.	Time	Paper Title	Presenting Author	Affiliation
08:30-18:00		Registration		
Room A				(Chairman: Dr. Dong-Ho Kim)
PL-03 (Plenary)	08:40-09:20	Electrochemically Synthesized Advanced Functional Nanomaterials Old Stagnant Technology Becoming Hot New Technology	Nosang V. Myung	University of California-Riverside
09:20-09:40		Coffee break		
Room A				(Chairman: Prof. Byungchan Han)
SA-25 (Invited)	09:40-10:10	Effects of crystallographic texture and nano-scaled features on corrosion behaviors of electrodeposited zinc and their chromium passivation layers	Narin Jantaping	Chulalongkorn University & Okuno- Auromex (Thailand) Co., Ltd.
SA-26 (Invited)	10:10-10:40	Surface enhanced Raman Scattering (SERS) Substrates for Ultrasensitive Chemical Sensors	Dong-Ho Kim	Korea Institute of Materials Science
SA-27 (Invited)	10:40-11:10	Applications of Photocatalysis in Biology	Kazuya Nakata	Tokyo University of Science
SA-28 (Invited)	11:10-11:40	Surface-Mediation of Aluminium Powders for Advanced Energetic Applications	KyungTae Kim	Korea Institute of Materials Science
SA-29	11:40-12:00	In vivo study of microarc oxidation coated Mg stent to heal bone trauma defect	Yunfeng Wu	Harbin Institute of Technology
12:00-13:00		Lunch(Global House)		
13:00-14:00		Poster session (STMT2017)		
Room A				(Chairman: Dr. Sungmo Moon)
PL-04 (Plenary)	14:00-14:50	Solution Plasma Catalyst for Nanomaterials Synthesis	Nagahiro Saito	Nagoya University
14:50-15:00		Coffee break		
Room A				(Chairman: Prof. Injoon Son)
SA-30 (Invited)	15:00-15:30	First principles-base Computational Study on Creative Design of Key	Byungchan Han	Yonsei University

		Materials for Renewable Energy Devices		
SA-31 (Invited)	15:30-16:00	Two-dimensional inhibitors and their anticorrosion properties in sol-gel coating on aluminum alloy	Mei Yu	Beihang University
SA-32	16:00-16:20	Synthesis of Ni Catalyst with CeO ₂ /La ₂ O ₃ for Hydrogen Evolution in Alkali Solution	MyeongJe Jang	Korea Institute of Materials Science
16:20-16:30		Coffee break		
Room A				(Chairman: Prof. Mei Yu)
SA-33 (Invited)	16:30-17:00	Flux Coating Innovation of Inorganic Crystal Layers for Next-Generation Energy and Environmental Applications	Katsuya Teshima	Shinshu University
SA-34 (Invited)	17:00-17:30	Importance of Natural Oxide Film Control of Magnesium Plate	Hyejeong Kim	Research Institute of Science and Technology (RIST)
SA-35 (Invited)	17:30-18:00	Development of high hardness and wear resistance composite coatings	Jiaqian Qin	Chulalongkorn University
18:00-20:00		Banquet(Global House)		

Wednesday Afternoon Poster Sessions**22 November, 2017****(Time: 13:00 p.m. - 14:00 p.m.)****Room: Robby****(Chairman : Prof. InJoon Son, Prof. Kiyoung Lee)**

No.	PaperTitle	Presenting Author	Affiliation
PS-1	Evaluation on Sensitization of Stainless Steel 304 Steel by Artificial Aging and DL-EPR Test	Min-Su Han	Mokpo Maritime University
PS-2	Enhancement of Cavitation-Erosion Resistance in Marine Environment for Austenitic Stainless Steel by the DC Glow Discharge	Jung-Hyung Lee	Mokpo Maritime University
PS-3	The Effect of Gaseous Nitriding Phases Controlled with Customized Lehrer Diagram of AISI 4140 to Enhance the Fatigue Resistance of the Steel	Sunkwang kim	Korea Institute of Industrial Technology (KITECH)
PS-4	Microstructure and Oxidation Behavior of Nanostructured Ti-Si-B-C-N Films Deposited by Unbalanced Magnetron Sputtering	Hyundong Kim	Korea Institute of Industrial Technology (KITECH)
PS-5	Mechanical and Tribological Properties of Ti-Si-B-C-N Nanocomposite Coatings Deposited by Pulsed Unbalanced Magnetron Sputtering	Sungbo Heo	Korea Institute of Industrial Technology (KITECH)
PS-6	Effect of plasma treatment on surface properties of 2D tungsten diselenide	Sungwon Lee	Sungkyunkwan University
PS-7	Characteristics of BDD electrodes deposited on Ti substrate with TiN _x interlayer	Shin Kim	Pusan National University
PS-8	The Influence of Natural Oxide Layer of Strain-hardened Austenitic stainless steel on the Low-Temperature Acetylene Based Vacuum Carburizing Process	Yeongha Song	Korea Institute of Industrial Technology
PS-9	Reactive sputtered tin adhesion layer for wastewater treatment for bdd electrodes	SeoHan Kim	Pusan National University
PS-10	Carbon black and titanium interlayers between zinc oxide photoelectrode and FTO for dye – sensitized solar cells	SuYoung Lee	Korea University of Technology and Education
PS-11	Electrochemical Corrosion resistance of aluminum-doped zinc oxide film depending on the hydrogen content	SooHo Cho	Korea University of Technology and Education

PS-12	Silicon nitride encapsulation for OLED devices by very high frequency PECVD using a multi-split electrodes	GeunYoung Yeom	Sungkyunkwan University
PS-13	Thick Tetrahedral Amorphous Carbon Films Prepared by Filtered Cathodic Vacuum Arc Method	Yongqing Shen	Beijing Normal University
PS-14	Study for Control of Microstructural Characteristics of Biomedical Ti-39Nb-6Zr-0.45Al	YangKyun Park	Sunchon National University
PS-15	Effect of Al Addition on Corrosion Protection of Ti-39Nb-6Zr Alloy for Biological Applications	Yujin Hwang	Sunchon National University
PS-16	SBF evaluation of HA precipitation on Ti-6Al-4V	Sang-Gyu Lim	Chosun University
PS-17	Morpholgy of PEO-treated Surface on Ti-6Al-4V after nanotube Formation	Sang-Gyu Lim	Chosun University
PS-18	Morpholgy of Bone Formation on PEO-treated on Ti-6Al-4V on Solution Containing Function Element	Sang-Gyu Lim	Chosun University
PS-19	Bone-like Apatite Formation on PEO-treated Ti-6Al-4V in Solution Containing Mn, Mg, and Si Ions after Plasma Electrolytic Oxidation	Sang-Gyu Lim	Chosun University
PS-20	Electrochemical Charterisitics of PEO Surface Formed in Solution Containing Mn, Mg and Si ions	Sang-Gyu Lim	Chosun University
PS-21	Study on Improvement of Interface Properties in Al ₂ O ₃ /Si Structure Using SiO ₂ Buffer Layers	Jaeyoung Choi	Dankook University
PS-22	Morphology after Nanotube Formation on Ti-6Al-4V Alloys by Several Steps	Ji-Min Yu	Chosun University
PS-23	Corrosion Characteristics of Ca, P, Sr, and Si Ions from PEO-treated Ti-6Al-4V Alloy Surface	Ji-Min Yu	Chosun University
PS-24	Electrodeposition of Ga from GaCl ₃ in DMSO bath and influence of NH ₄ NO ₃	Jaewook Kang	Nagoya University
PS-25	Electrochemical behavior of Li, Mg or Al in polar organic solvents of Dimethylsulfone groups	Sangjae Kim	Nagoya University
PS-26	Effect of NaOH concentration on PEO film formation of AZ31 magnesium alloy in an aqueous electrolyte containing carbonate and	Yeajin Kim	Korea Institute of Materials Science

	silicate ions		
PS-27	Effect of Electrolyte Composition on The Formation Behavior of Plasma Electrolytic Oxidation Films on Al1050 Alloy	Juseok Kim	Korea Institute of Materials Science
PS-28	Electrochemical Characteristics of Functional Hydroxyapatite Coatings on the Ti-6Al-4V Alloys	Min-Gyu Park	Chosun University
PS-29	Cyclic Surface Modification on Ti-6Al-4V Alloy Using Plasma Electrolytic Oxidation after Nanotube Formation Electrochemical Methods	Min-Gyu Park	Chosun University
PS-30	Electrochemical Characteristics of Bioactive Element Coatings on PEO-treated Ti-6Al-4V Alloy	Min-Gyu Park	Chosun University
PS-31	Corrosion Behaviors of Zn, Si, Mn-doped Hydroxyapatite Films Formed on the Ti-6Al-4V Alloy by Plasma Electrolytic Oxidation	Min-Gyu Park	Chosun University
PS-32	Si-Zn-Mn-hydroxyapatite Coating on Ti-6Al-4V Alloy by Plasma Electrolytic Oxidation	Min-Gyu Park	Chosun University
PS-33	Cell Culture on the Hydroxyapatite Coatings by Plasma Electrolytic Oxidation	Ji-Min Yu	Chosun University
PS-34	Corrosion Behavior of RF-sputtered Zn and Si Coatings on PEO-treated Ti-6Al-4V	InJo Hwang	Chosun University
PS-35	Bone Formation Behaviors of Sr-Si-HA Surface on Ti-6Al-4V after Plasma Electrolytic Oxidation Treatments	Ji-Min Yu	Chosun University
PS-36	HA Precipitates Coating Functional Elements on the Ti-6Al-4V Alloy by Electrochemical Methods	Ji-Min Yu	Chosun University
PS-37	HA Coatings Containing Functional Material on the PEO-treated Ti-6Al-4V Alloy	Seung-Pyo Kim	Chosun University
PS-38	Characteristic of Electrochemically Doped Non-Noble metal TiO ₂ Nano-Tube for Chlorine Evolution Reaction(CER)	YooSei Park	Korea Institute of Materials Science
PS-39	Effects of Electrical Parameters on the Surface Characteristics of Pulse Plasma Electrolytic Oxidation on Aluminum Alloy	Jung-Hyung Lee	Mokpo Maritime University

Thursday Afternoon Poster Sessions**23 November, 2017****(Time: 13:00 p.m. - 14:00 p.m.)****Room: Robby****(Chairman : Dr. Jong-Kuk Kim, Prof. InJoon Son, Prof. Kiyoung Lee)**

No.	PaperTitle	Presenting Author	Affiliation
PS-40	Hydrophobic and electromagnetic interference surface using multi-wall carbon nanotube and inorganic binder	Juyoung Kim	Korea Institute of Industrial Technology
PS-41	Biomechanical Stability of TiN and DLC coated Rod for Pedicle Screw System	Kwan-Su Kang	OSONG Medical Innovation Foundation
PS-42	High-temperature Oxidation of Aluminum Hot-Dipped 2.25%Cr-1%Mo Steel	DongBok Lee	Sungkyunkwan University
PS-43	High-temperature Corrosion of CrAlSiN thin film in N ₂ /0.1%H ₂ S-mixed Gas	DongBok Lee	Sungkyunkwan University
PS-44	Synthesis of Silver Nano-particles Using Pulse Electrolysis in Ionic Liquids	Churl Kyoung Lee	Kumoh National Institute of Technology
PS-45	Protection of lacquer surface from UV irradiation using TiO ₂ /SiO ₂ composite photocatalyst	Takahiro Adachi	Tokyo University of Science
PS-46	Development of Flow Type Polysaccharide Sensor Using TiO ₂ Ink	Kensuke Katagishi	Tokyo University of Science
PS-47	Characterizations of Cr-P-PTFE Composite Coatings Electroplated from a Trivalent Chromium-Based Bath	SunKyo Seo	Yulim T&C Co.,LTD
PS-48	Effect of ultrasonic on morphology and hardness of Ni-P-Al ₂ O ₃ electroless composite coatings.	Young-Min Byoun	Korea Conformity Laboratories(KCL)
PS-49	Enhancing the Capacity of Nanoporous Anodic TiO ₂ -TiO-TiN Composite Films on Ti as Anode Materials for High-Safety Lithium-ion Battery	Song-Zhu Kure-Chu	Nagoya Institute of Technology
PS-50	Electroless Sn Deposition on Copper from Choline Chloride-based Deep Eutectic Solvent	Chieon Park	Korea Institute of Industrial Technology
PS-51	Effect of Etching Temperature on Adhesion and Surface Morphology of Acrylonitrile-Butadiene-Styrene (ABS) Based Material for Plating	Sehun Han	Kyungpook National University
PS-52	The effects of organic additives on the via filling performance in high-aspect-ratio through silicon	Sanghoon Jin	Korea Institute of Industrial Technology

	via		(KITECH)
PS-53	Effect of Nano- Al_2O_3 Additive on Manganese Phosphate Composite Conversion Coating of Carbon Steel	Young-Tai Noh	Korea Conformity Laboratories (KCL)
PS-54	Ultrathin Silver Telluride Nanowire Films for Flexible Resistive Switching Device	HoJun Seo	Korea Institute of Industrial Technology (KITECH)

Friday Afternoon Poster Sessions

24 November, 2017

(Time: 13:00 p.m. - 14:00 p.m.)

Room: Robby

(Chairman : Prof. InJoon Son, Prof. Kiyong Lee)

No.	PaperTitle	Presenting Author	Affiliation
PS-55	The effects of internal stress of nickel electrodeposits on the hydrogen evolution reaction	Sung-Min Kim	Korea Institute of Industrial Technology (KITECH)
PS-56	Facile Synthesis of Solvent Casted Arabic Gum Coated Carbonyl Iron Microspheres and Their Magnetorheological Characteristics	SeungHyuk Kwon	Inha University
PS-57	Effect of electrolytic factors on the color tone of anodized aluminum film	InCheul Choi	Kyungpook National University
PS-58	Electrochemical Nanopattern Formation on Ti Surface: Comparison with TiO ₂ nanotube surfaces in vitro bioactivity	Doohun Kim	Korea Electrotechnology Research Institute
PS-59	Anodic Formation of Self-Organized Aluminium Alloy Oxide Nanoporous Layers	Jaewon Lee	Kyungpook National University
PS-60	Fabrication of Free-Standing Open-Ended Large Diameter TiO ₂ Nanotube Membranes	HyeonKwon Lee	Kyungpook National University
PS-61	Thermodynamic Calculation of Surface Tension of Liquid High Carbon Steels	Jongbae Jeon	Korea Institute of Industrial Technology (KITECH)
PS-62	Synthesis and Characterization of Nizr Nanofiber for Hydrogen Evolution Reaction	JeongHun Lee	Korea Institute of Materials Science
PS-63	Influence of Coating Amount on Chlorine Evolution using RuO ₂ -PdO-TiO ₂ Electrodes	Dajung Park	Korea Institute of Materials Science
PS-64	Fabrication of Gelatin/PVA scaffold with aligned topological cues for Cardiac Tissue Regeneration	YoungWon Koo	Sungkyunkwan University
PS-65	Fabrication of 3D bioceramic/natural polymer biocomposite using low temperature 3D printing system for bone tissue regeneration	JiUn Lee	Sungkyunkwan University
PS-66	Fabrication of biomimetic 3D model with gelatin and bioceramic using multi nozzle 3D printing system for bone tissue regeneration	WonJin Kim	Sungkyunkwan University

PS-67	Fabrication of α -TCP/Cellulose 3D Fibrous Scaffold and Cellular Activities for Bone Tissue Regeneration	JaeYoon Lee	Sungkyunkwan University
PS-68	Gelatin/PVA 3D Scaffold Fabricated Using Low Temperature Bio-Printing for Hard Tissue Regeneration	Minseong Kim	Sungkyunkwan University
PS-69	Evaluation of corrosion resistance for anodized Al Alloy with applying electric charge	Seung-Jun Lee	Kunsan National University
PS-70	Surface Modification of Di-Electric Material using Photo Pretreatment for FOWLP	Jong-Young Park	Kanto Gakuin University
PS-71	Improvement of Corrosion resistance by Ca and Y addition in magnesium alloy	JongIl Kim	Chungnam National University
PS-72	Electrical Properties of MoTe ₂ FETs with High- <i>k</i> Gate Dielectrics	Pan-Gum Jung	Chosun University
PS-73	Surface Characteristics of Metallic 3D Printed Dental Products	Gyeong-Yun Kim	Chosun University
PS-74	Enhanced Electrical Conductivity of the Carbon Nanocoils using H ₂ -Plasma	GiHwan Kang	Silla University