

Program for 2023 Joint Symposium on Molten Salts

	Prog. No.	Time		Event, Title, Author(s)	Chairperson
		Start	End		
12 Nov. (Sun) Room A	<b>Welcome</b>				
		15:00	20:00	<b>Registration</b>	
		18:00	20:00	<b>Welcome Reception</b>	
13 Nov. (Mon) Room A	<b>Opening</b>				
		8:45	9:00	<b>Opening Ceremony</b>	
	<b>Plenary Lecture</b>				
	PL01	09:00	09:45	<b>The effect of electrolyte basicity on molten salt electrolysis of solid oxides and carbon dioxide</b> Dihua Wang <sup>1</sup> (1. Wuhan University)	T. Nohira
		09:45	10:00	Break	
	<b>Session 1</b>				
	1A01	10:00	10:30	<b>[Keynote] Emerging Molten Salts Based Energy Technologies – A Personal View</b> George Zheng Chen <sup>1</sup> (1. Department of Chemical and Environmental Engineering, University of Nottingham)	T. Goto,
	1A02	10:30	10:50	<b>[Invited] Electrochemical deposition of varied carbon morphologies in a molten salt system</b> Jonathan Amolo Mwanda <sup>1</sup> (1. Gulf Organisation for Research and Development)	G. Z. Chen
	1A03	10:50	11:10	<b>[Invited] Formation of Acetylene by Electrochemical Reduction of CO<sub>2</sub> in Chloride Melts</b> Yuta Suzuki <sup>1</sup> , Takashi Watanabe <sup>1</sup> , Takuya Goto <sup>1</sup> , Tomohiro Isogai <sup>1,2</sup> , Akiyoshi Yamauchi <sup>2</sup> , Yosuke Kishikawa <sup>2</sup> (1. Doshisha Univ., 2. Daikin Industries Ltd.)	
		11:10	11:30	Coffee Break	
	1A04	11:30	11:50	<b>[Invited] Identification of oxygen ion conductivity of Ba doped Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub> (Ba-BNT) based matrix impregnated by lithium/potassium electrolyte for Molten Carbonate Fuel Cells</b> Jaroslaw Milewski <sup>1</sup> , Olaf Dybiński <sup>1</sup> , Arkadiusz Szczesniak <sup>1</sup> , Aliaksandr Martsinchyk <sup>1</sup> , Karol Ćwieka <sup>2</sup> , Wen Xing <sup>3</sup> , Lukasz Szablowski <sup>1</sup> (1. Warsaw University of Technology, Faculty of Power and Aeronautical Engineering, 2. Warsaw University of Technology, Faculty of Chemical and Process Engineering, 3. SINTEF Industry, Sustainable Energy Technology)	
	1A05	11:50	12:10	<b>Formation of carbon film on Ni and Mo through electrochemical reduction of carbonate ions in molten LiCl</b> Chongrui Zhuang <sup>1</sup> , Xin Lu <sup>2</sup> , Osamu Takeda <sup>1</sup> , Hongmin Zhu <sup>1</sup> (1. Tohoku University, 2. University of Science and Technology Beijing)	
	1A06	12:10	12:30	Cancelled	
	<b>Lunch</b>				
	<b>Session 2</b>				
	1A07	14:00	14:30	<b>[Keynote] Synthesis of titanium aluminide compounds through thermos-reduction, electrochemical deposition and shuttle reactions of titanium ions</b> Hongmin Zhu <sup>1</sup> , Terigel Terigel <sup>1</sup> , Shuhan Wang <sup>1</sup> , Chao Du <sup>2</sup> , Xin Lu <sup>3</sup> , Osamu Takeda <sup>1</sup> (1. Tohoku University, 2. Anhui University of Science and Technology, 3. University of Science and Technology Beijing)	B. Li,
	1A08	14:30	14:50	<b>[Invited] Liquid metal electrochemistry</b> Huayi Yin <sup>1</sup> (1. Wuhan University)	H. Zhu
	1A09	14:50	15:10	<b>[Invited] Direct tungsten extraction from scheelite in a molten salt media</b> Ana Maria Martinez <sup>1</sup> , Anne Støre <sup>1</sup> , Karen Osen <sup>1</sup> (1. SINTEF)	
	1A10	15:10	15:30	<b>[Invited] Molten-Salt Electrochemical Deoxidation Synthesis of Platinum-Neodymium Nanoalloy Catalysts for Oxygen Reduction Reaction</b> Bing Li <sup>1</sup> , Ying Li <sup>2</sup> , Chenming Fan <sup>1</sup> , Guomin Li <sup>1</sup> , Jingjiu Gu <sup>1</sup> (1. East china university of science and technology, 2. Shanghai University)	
	1A11	15:30	15:50	<b>[Invited] The Molten Na<sub>3</sub>AlF<sub>6</sub>-NdF<sub>3</sub>-Nd<sub>2</sub>O<sub>3</sub> Electrolyte for the Nd Electrowinning: Phase Equilibria, Electrical Conductivity, XRD, and MAS NMR Analysis</b> Michal Korenko <sup>1</sup> (1. Slovak Academy of Sciences)	
		15:50	16:20	Coffee Break	
	1A12	16:20	16:40	<b>[Invited] The manufacture of white phosphorus in molten chloride</b> Xiao Yang <sup>1</sup> (1. Westlake University)	A. M. Martinez
	1A13	16:40	17:00	<b>[Invited] Preparing pure phosphorus from phosphate rock in molten CaCl<sub>2</sub></b> Guanting Liu <sup>1</sup> , Xiao Yang <sup>1</sup> (1. Westlake University)	
	1A14	17:00	17:20	<b>[Invited] Electrochemical behavior of PO<sub>4</sub><sup>3-</sup> in molten CaCl<sub>2</sub></b> Yuanjia Ma <sup>1</sup> , Xiao Yang <sup>1</sup> (1. Westlake University)	
	1A15	17:20	17:40	<b>[Invited] Role of Highly Reactive Hydrogen Atom in Water-Induced Reduction of Fe<sub>2</sub>O<sub>3</sub> Powder in Molten LiCl</b> Taizo Shibuya <sup>1</sup> , Ritsuo Yoshioka <sup>2</sup> , Motoyasu Kinoshita <sup>2</sup> , Masaaki Furukawa <sup>1</sup> , Seiji Terada <sup>3</sup> , Ryo Nakanishi <sup>3</sup> , Yasuhiko Ito <sup>3</sup> (1. Thorium Tech Solution Inc., 2. International Thorium Molten Salt Forum, 3. I'MSEP Co., Ltd)	X. Yang
	1A16	17:40	18:00	<b>[Invited] Molten salt synthesis of MXene-derived hierarchical titanate nanostructures for effective strontium removal</b> Lin Wang <sup>1</sup> , Siyi Wang <sup>1,2</sup> , Pengcheng Zhang <sup>1,2</sup> , Jianhua Zu <sup>3</sup> , Weiqun Shi <sup>1</sup> (1. Institute of High Energy Physics, Chinese Academy of Science, 2. School of Nuclear Science and Technology, Lanzhou University, 3. School of Nuclear Science and Engineering, Shanghai Jiao Tong University)	

13 Nov. (Mon) Room B	<b>Session 3</b>				
	1B01	10:00	10:30	<b>[Keynote] Studying electrodeposition processes in room temperature molten salts using voltammetry coupled with in-situ microgravimetry</b> <u>Andreas Bund</u> <sup>1</sup> , Rene Boettcher <sup>3</sup> , Anna Endrikat <sup>1</sup> , Adriana Ispas <sup>2</sup> (1. Technische Universitaet Ilmenau, Electrochemistry and Electroplating Group, Ilmenau, Germany, 2. Technische Universitaet Ilmenau, Chemistry Group, Ilmenau, Germany, 3. Airbus Central Research and Technology, Willy-Messerschmitt-Straße 1, 82024, Taufkirchen, Germany)	M. Ueda,
	1B02	10:30	10:50	<b>[Invited] Overpotential of Co Electrodeposition in an Ionic Liquid Originated from Interfacial Restructuring</b> <u>Kenta Motobayashi</u> <sup>1</sup> , Hayato Nakagawa <sup>1</sup> , Yuhei Shiabamura <sup>1</sup> , Katsuyoshi Ikeda <sup>1</sup> (1. Nagoya Institute of Technology)	A. Bund
	1B03	10:50	11:10	<b>[Invited] Ab initio molecular dynamics study of EmImCl-AICl<sub>3</sub> ionic liquid system</b> <u>Takahiro Ohkubo</u> <sup>1</sup> , Eiji Tsuchida <sup>2</sup> , Atsuki Tabo <sup>3</sup> , Hisayoshi Matsushima <sup>3</sup> , Mikito Ueda <sup>3</sup> (1. Chiba university, 2. National Institute of Advanced Industrial Science and Technology, 3. Hokkaido University)	
		11:10	11:30	Coffee Break	
	1B04	11:30	11:50	<b>[Invited] Electrodeposition of Al-Hf alloys in AlCl<sub>3</sub>-NaCl-KCl molten salt</b> <u>Takehiko Kumagai</u> <sup>1</sup> , Hisayoshi Matsushima <sup>1</sup> , Mikito Ueda <sup>1</sup> (1. Hokkaido University)	
	1B05	11:50	12:10	<b>Anodic dissolution behavior of Al-Mn alloy controlled metallurgical structure in EmImCl-AICl<sub>3</sub> ionic liquid</b> <u>Junji Nunomura</u> <sup>1,2</sup> , Hisayoshi Matsushima <sup>2</sup> , Yoshihiko Kyo <sup>1</sup> , Yoichi Kojima <sup>1</sup> , Mikito Ueda <sup>2</sup> (1. UACJ Corporation, 2. Hokkaido University)	
	1B06	12:10	12:30	<b>[Invited] Electropolishing of Type 316 Stainless Steel in an Amide-type Ionic Liquid</b> <u>Nobuyuki Serizawa</u> <sup>1</sup> , Shunya Yamasaki <sup>1</sup> , Yasushi Katayama <sup>1</sup> (1. Keio Univ.)	
	<b>Lunch</b>				
	<b>Session 4</b>				
	1B07	14:00	14:30	<b>[Keynote] Electrodeposition of Metals Using Aprotic/Protic Ionic Liquids as Electrolytes</b> <u>Po-Yu Chen</u> <sup>1</sup> (1. Kaohsiung Medical Univ.)	K. Matsumoto,
	1B08	14:30	14:50	<b>[Invited] Electroless deposition of base metals at the liquid/liquid interface between oil and room-temperature ionic liquids</b> <u>Naoya Nishi</u> <sup>1</sup> (1. Kyoto University)	P. Y. Chen
	1B09	14:50	15:10	<b>Reductive Deposition of Magnesium Nanoparticles at the Water-Free Liquid Liquid Interface</b> <u>Yishan Zhou</u> <sup>1</sup> , Yuko Yokoyama <sup>1</sup> , Tetsuo Sakka <sup>1</sup> , Toshihiko Mandai <sup>2</sup> , Naoya Nishi <sup>1</sup> (1. Kyoto University, 2. National Institute for Materials Science)	
1B10	15:10	15:30	<b>[Invited] Ether-Functionalized Pyrrolidinium-Based Ionic Liquids: Lithium Ion Coordination Environment and Electrode Potential</b> <u>Kazuki Yoshii</u> <sup>1</sup> , Takuya Uto <sup>2</sup> (1. National Institute of Advanced Industrial Science and Technology, 2. University of Miyazaki)		
1B11	15:30	15:50	<b>[Invited] Physicochemical properties of fluoride-based deep eutectic solvents composed of amide hydrogen bond donors</b> <u>Hiroki Yamamoto</u> <sup>1</sup> , Kazuki Yoshii <sup>1</sup> , Masahiro Shikano <sup>1</sup> (1. National Institute of Advanced Industrial Science and Technology)		
	15:50	16:20	Coffee Break		
1B12	16:20	16:40	<b>[Invited] Anomalous melting behavior and ionic conduction of multicomponent carbonates coexisting with porous oxides</b> <u>Minoru Mizuhata</u> <sup>1,2</sup> , Jiayue Wang <sup>1</sup> , Xueling Chen <sup>1</sup> , Hideshi Maki <sup>1</sup> , Hiro Minamimoto <sup>1</sup> (1. Kobe University, 2. Jagiellonian University)	M. Boca,	
1B13	16:40	17:00	Cancelled	M. Mizuhata	
1B14	17:00	17:20	<b>[Invited] Thermal Conductivity of Molten Salts using Unit Cell Method</b> <u>Pranjal Gandhre</u> <sup>1</sup> , <u>Luckman Muhmood</u> <sup>2</sup> (1. Research Fellow, Department of Mechanical Engineering, KJ Somaiya College of Engineering, Somaiya Vidyavihar University, 2. Professor, Department of Mechanical Engineering, KJ Somaiya College of Engineering, Somaiya Vidyavihar University)		
1B15	17:20	17:40	<b>[Invited] Key Aspects in Corrosion of Superalloys in Molten Fluoride Salts</b> <u>Miroslav Boca</u> <sup>1</sup> , Viliam Pavlik <sup>1</sup> , Ramu Ambati <sup>1</sup> (1. Institute of Inorganic Chemistry Slovak Academy of Sciences)		
1B16	17:40	18:00	<b>[Invited] A New Setup for Corrosion Study of Structural Materials in Molten NaOH Under Controlled Atmosphere</b> <u>Mahla Sevedi</u> <sup>1</sup> , Peteris Eizentals <sup>1</sup> , Dimitris Killinger <sup>1</sup> , Biyash Bhattacharya <sup>1</sup> (1. Seaborg Technologies)		

14 Nov.	<b>Plenary Lecture</b>				
(Tue)	PL02	09:00	09:45	<b>Recycling and upcycling of spent critical materials via molten-salt technologies</b> Sheng Dai <sup>1,2</sup> (1. University of Tennessee, 2. Oak Ridge National Laboratory )	R. Hagiwara
Room A		09:45	10:00	Break	
	<b>Session 5</b>				
	2A01	10:00	10:30	<b>[Keynote] Research progress in the separation of tungsten and cobalt by molten salt electrolysis of cemented carbide</b> Xiaoli Xi <sup>1,2</sup> , Liwen Zhang <sup>1,3</sup> , Zuoren Nie <sup>1,2,3</sup> (1. Collaborative Innovation Center of Capital Resource-Recycling Material Technology, Faculty of Materials and Manufacturing, Beijing University of Technology, 2. Key Laboratory of Advanced Functional Materials, Ministry of Education, Beijing University of Technology, 3. National Engineering Laboratory for Industrial Big-data Application Technology, Beijing University of Technology)	T. Ouchi,
	2A02	10:30	10:50	<b>[Invited] Recovery of Bi from base metal bullions using electrochemical anodic deposition method in molten salt electrolyte</b> Takanari Ouchi <sup>1</sup> , Chunhao Ding <sup>1</sup> , Toru H. Okabe <sup>1</sup> (1. The University of Tokyo)	X. Xi
	2A03	10:50	11:10	<b>[Invited] Preparation of Ti from low-grade TiO<sub>2</sub> waste via combination of Si reduction smelting and molten-salts electrolysis</b> Yun Lei <sup>1</sup> , Haochen Wang <sup>2</sup> , Chao Wang <sup>1</sup> , Zhanchao Li <sup>1</sup> , Wenhui Ma <sup>1</sup> , Yutaro Norikawa <sup>2</sup> , Toshiyuki Nohira <sup>2</sup> (1. Kunming University of Science and Technology, 2. Kyoto University)	
		11:10	11:30	Coffee Break	
	2A04	11:30	11:50	<b>[Invited] Permeation of Rare Earth Elements Through an Alloy Diaphragm</b> Tetsuo Oishi <sup>1</sup> , Miki Yaguchi <sup>1</sup> , Yumi Katasho <sup>1</sup> , Toshiyuki Nohira <sup>2</sup> (1. National Institute of Advanced Industrial Science and Technology (AIST), 2. Kyoto University)	
	2A05	11:50	12:10	<b>[Invited] In situ EDXRD analysis of electrochemical Dy-Ni alloying in molten LiCl-KCl</b> Yumi Katasho <sup>1</sup> , Tetsuo Oishi <sup>1</sup> (1. National Institute of Advanced Industrial Science and Technology)	
	2A06	12:10	12:30	<b>[Invited] A new method for preparation of tungsten carbide powder by in-situ electrochemical reduction</b> Liwen Zhang <sup>1,3</sup> , Xiaoli Xi <sup>1,2</sup> , Zuoren Nie <sup>1,2,3</sup> (1. Collaborative Innovation Center of Capital Resource-Recycling Material Technology, Faculty of Materials and Manufacturing, Beijing University of Technology, 2. Key Laboratory of Advanced Functional Materials, Ministry of Education, Beijing University of Technology, 3. National Engineering Laboratory for Industrial Big-data Application Technology, Beijing University of Technology)	
14 Nov.	<b>Session 6</b>				
(Tue)	2B01	10:00	10:30	<b>[Keynote] Science of "active ion-rich liquids" (concentrated electrolytes): unique functions and battery applications</b> Yuki Yamada <sup>1</sup> (1. Osaka Univ.)	T. Tsuda,
Room B	2B02	10:30	10:50	<b>[Invited] Charge-Discharge Behavior of Exfoliated Graphite Cathode for Al Metal Anode Rechargeable Battery</b> Tetsuya Tsuda <sup>1</sup> , Yuya Uemura <sup>2</sup> , Rina Miyajima <sup>1</sup> , Susumu Kuwabata <sup>2</sup> (1. Chiba University , 2. Osaka University )	Y. Yamada
	2B03	10:50	11:10	<b>[Invited] Toward Reversible Al Plating/Stripping in Haloaluminate-Free Electrolytes: Unraveling the Impact of Side Reactions</b> Tomooki Hosaka <sup>1,2</sup> , Mizuki Kawabe <sup>1</sup> , Ryoichi Tataru <sup>1</sup> , Patrik Johansson <sup>2</sup> , Shinichi Komaba <sup>1</sup> (1. Tokyo University of Science, 2. Chalmers University of Technology)	
		11:10	11:30	Coffee Break	
	2B04	11:30	11:50	<b>[Invited] Sodium Secondary batteries Using Ionic Liquid Electrolytes Combined with Beta-alumina Solid-state Electrolyte</b> Kazuhiko Matsumoto <sup>1</sup> , Di Wang <sup>1</sup> , Jinkwang Hwang <sup>1</sup> , Rika Hagiwara <sup>1</sup> (1. Kyoto University)	
	2B05	11:50	12:10	<b>Molten Salt Based High Entropy Electrolytes for Calcium Batteries</b> Johanna Timhagen <sup>1</sup> , Jonathan Weidow <sup>1</sup> , Patrik Johansson <sup>1,2</sup> (1. Chalmers University of Technology 2. ALISTORE-ERI)	
	2B06	12:10	12:30	<b>[Invited] Ca<sup>2+</sup> mobility and dynamics in solvent-free molten salts electrolytes</b> Carolina Cruz <sup>1</sup> , Patrik Johansson <sup>1</sup> (1. Chalmers University of Technology)	
14 Nov.	<b>Poster Session</b>				
(Tue)	P1-P64	14:00	15:30	Poster session A (Odd number)	
Room P		15:30	15:45	Break	
		15:45	17:15	Poster session B (Even number)	

15, Nov. (Wed) Room A	<b>Plenary Lecture</b>				
	PL03	09:00	09:45	<b>From fluorides to chlorides in nuclear energy : formation and detection of anionic complexes towards a better understanding of how molten salts work</b> Catherine Bessada <sup>1</sup> , Aydar Rakhmatullin <sup>1</sup> , Didier Zanghi <sup>1</sup> , Vincent Sarou-Kanian <sup>1</sup> (1. CEMHTI, CNRS Orleans, France)	H. Matsuura,
		09:45	10:00	Break	
	<b>Session 7</b>				
	3A01	10:00	10:30	<b>[Keynote] Promising approach to extracting transuranic elements from LiCl-KCl eutectic-based salts for nuclear fuel reprocessing</b> Yoshiharu Sakamura <sup>1</sup> , Tsuyoshi Murakami <sup>1</sup> , Masatoshi Iizuka <sup>1</sup> (1. Central Research Institute of Electric Power Industry)	H. Matsuura,
	3A02	10:30	10:50	<b>[Invited] Structure and Solvation Mechanisms in Molten LiF-BeF<sub>2</sub> (FLiBe) Salt</b> Raluca Olga Scarlat <sup>1</sup> (1. University of California Berkeley, Department of Nuclear Engineering)	Y. Sakamura
	3A03	10:50	11:10	<b>[Invited] Quantitative Study on Micro-structure of Binaries NaF-AlF<sub>3</sub> and Al<sub>2</sub>O<sub>3</sub>-Na<sub>3</sub>AlF<sub>6</sub> Salts by <i>in situ</i> High Temperature Raman Spectroscopy and Quantum Chemistry ab initio Calculation</b> Jinglin You <sup>1</sup> , Fu Zhang <sup>1</sup> , Xiaohui Tang <sup>1</sup> , Guopeng Liu <sup>1</sup> , Aurélien Canizarès <sup>2</sup> , Liming Lu <sup>3</sup> , Catherine Bessada <sup>2</sup> , Qingli Zhang <sup>4</sup> , Songming Wan <sup>4</sup> , Zheng Zhang <sup>2</sup> (1. State Key Laboratory of Advanced Special Steel & Shanghai Key Laboratory of Advanced Ferrometallurgy & School of Materials Science and Engineering, Shanghai University, Shanghai 200444, China, 2. CNRS, CEMHTI UPR3079, Université d'Orléans, F-45071, Orléans, France, 3. Queensland Centre for Advanced Technologies, Technology Court, CSIRO Mineral Resources, Pullenvale, Queensland, 4069, Australia, 4. Anhui Key Laboratory for Photonic Devices and Materials, Anhui Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, Hefei 230031, China)	
	11:10	11:30	Coffee Break		
3A04	11:30	11:50	<b>[Invited] Application of Raman spectra and ionic structure of the molten salts</b> Xianwei Hu <sup>1</sup> , Zhongning Shi <sup>1</sup> , Bingliang Gao <sup>1</sup> , Zhaowen Wang <sup>1</sup> (1. Northeastern University)		
3A05	11:50	12:10	<b>[Invited] Structural Investigation of NaF-ScF<sub>3</sub> Molten System with Dissolved Metal Aluminium</b> Aydar Rakhmatullin <sup>1</sup> (1. CEMHTI, CNRS)		
3A06	12:10	12:30	<b>[Invited] Lanthanide silicide formation on Si electrode in LiCl-KCl melt for immobilization of chloride waste in pyrochemical reprocessing of nuclear fuels</b> Tsuyoshi Murakami <sup>1</sup> , Yoshiharu Sakamura <sup>1</sup> , Koichi Uozumi <sup>1</sup> , Masatoshi Iizuka <sup>1</sup> (1. Central Research Institute of Electric Power Industry)		
<b>15, Nov. Session 8</b>					
15, Nov. (Wed) Room B	3B01	10:00	10:30	<b>[Keynote] Ionic liquid mixtures for low temperature lithium containing electrolytes</b> Elizabeth J Biddinger <sup>1</sup> (1. The City College of New York)	H. Matsumoto,
	3B02	10:30	10:50	<b>[Invited] Semi-Solid State Anion Battery Using LLZO and Ionic Liquids</b> Hajime Matsumoto <sup>1</sup> , Masahiro Suzuki <sup>2</sup> (1. National Institute of Advanced Industrial Science and Technology (AIST), 2. JTEKT Corp.)	E. J. Biddinger
	3B03	10:50	11:10	<b>[Invited] Performance Improvement of Sodium Metal Batteries Enabled by Ionic Liquid Electrolytes</b> Jinkwang Hwang <sup>1</sup> , Shengan Wu <sup>1</sup> , Tomoki Wada <sup>1</sup> , Haruka Shionoya <sup>1</sup> , Kazuhiko Matsumoto <sup>1</sup> , Rika Hagiwara <sup>1</sup> (1. Kyoto University)	
		11:10	11:30	Coffee Break	
	3B04	11:30	11:50	<b>Study of ionic species transport properties and impact of binding on molten salt electrolytes for thermal batteries</b> Clément Hachem <sup>1,2,3</sup> , Michaël Deschamps <sup>3,2</sup> , Emmanuel Veron <sup>2</sup> , Catherine Bessada <sup>2</sup> , Luc Faget <sup>1</sup> (1. ASB Aérospatiale Batteries, 2. French National Centre for Scientific Research (CNRS), 3. University Of Orléans)	
	3B05	11:50	12:10	<b>[Invited] Recovery of Li, Co, and Ni for a European Battery Supply Chain</b> Karen Sende Osen <sup>1</sup> , Ana Maria Martinez <sup>1</sup> , Anne Støre <sup>1</sup> , Cathrine Kyung Won Solem <sup>1</sup> , Zhaohui Wang <sup>1</sup> , Kent-Robert Molvik <sup>1</sup> , Aksel Roll-Matthiesen <sup>1</sup> , Stian Sundby <sup>1</sup> (1. SINTEF AS)	
	3B06	12:10	12:30	<b>[Invited] Anodization of Titanium Films Electrodeposited in Molten KF-KCl Towards TiO<sub>2</sub> Nanotube Layers</b> Kouji Yasuda <sup>1</sup> , Hanna Sopha <sup>2,3</sup> , Yutaro Norikawa <sup>1</sup> , Martin Motola <sup>2</sup> , Ludek Hromadko <sup>2,3</sup> , Jhonatan Rodriguez Pereira <sup>2</sup> , Jiri Cerny <sup>4</sup> , Toshiyuki Nohira <sup>1</sup> , Jan M Macak <sup>2,3</sup> (1. Kyoto University, 2. University of Pardubice, 3. Brno University of Technology, 4. Centre for Organic Chemistry)	
<b>15, Nov. Excursion</b>					
15, Nov. (Wed)	12:40 Gather in the lobby 12:50 Bus departure 13:30 Arrive at Ninna-ji Temple parking lot, lunch at Omuro Kaikan, grouping for viewing 14:45 Visit Ninna-ji Temple (with English-speaking guide) 16:00 Departure 17:00 Arrival at the lobby				
	<b>Banquet</b> 18:00-20:00 at Room A(Aoi)				

16, Nov. (Thu) Room A	<b>Plenary Lecture</b>				
	PL04	09:00	09:45	<b>Adventures in Molten Salt Structure and Reactivity in the Molten Salts in Extreme Environments Energy Frontier Research Center</b> James F. Wishart <sup>1</sup> (1. Brookhaven National Laboratory)	Y. Katayama
		09:45	10:00	Break	
	<b>Session 9</b>				
	4A01	10:00	10:30	<b>[Keynote] Al cathode based actinides separation over lanthanides via molten salt electrolysis</b> Weiqun Shi <sup>1</sup> (1. Institute of High Energy Physics, Chinese Academy of Sciences )	P. Chamelot
	4A02	10:30	10:50	<b>[Invited] Actinides behaviour in CaF<sub>2</sub>-based molten salts: application to waste treatment</b> Mathieu Gibilaro <sup>1</sup> , Julien Claquesin <sup>1,2</sup> , Olivier Lemoine <sup>2</sup> , Laurent Massot <sup>1</sup> , Pierre Chamelot <sup>1</sup> , Gilles Bourges <sup>2</sup> (1. University of Toulouse, 2. CEA DAM)	T. Murakami
	4A03	10:50	11:10	<b>[Invited] Uranium Electrochemical behaviour in molten LiCl-LiF</b> Pierre Chamelot <sup>1</sup> , Sylvain Géran <sup>1,2</sup> , Jerome Serp <sup>2</sup> , Mathieu Gibilaro, Laurent Massot <sup>1</sup> (1. Univ. of Toulouse-Laboratoire de Génie Chimique-UPS-CNRS-INPT, 2. CEA, Radiochemistry and Processes Department, CEA Marcoule)	
		11:10	11:30	Coffee Break	
	4A04	11:30	11:50	<b>[Invited] Electrochemical formation of UO<sub>2</sub> in LiCl-KCl-UO<sub>2</sub>F<sub>2</sub> molten salt</b> Mei Li <sup>1</sup> , Jiayi Chen <sup>1</sup> , Rugeng Liu <sup>1</sup> , Wei Han <sup>1</sup> (1. Harbin Engineering University)	
	4A05	11:50	12:10	<b>A feasibility study on the removal of radioactive contamination from different metal surfaces by molten salt cleaning</b> Huitao Lv <sup>1</sup> , Jianzhang Gao <sup>1</sup> , Jiaqi Chen <sup>1</sup> , Tianyu Li <sup>1</sup> , Yi Liang <sup>2</sup> , Li Ding <sup>2</sup> , Yongde Yan <sup>2</sup> , Fuqiu Ma <sup>1,2</sup> , Yun Xue <sup>1,2</sup> (1. Harbin Engineering University, 2. Yantai Research Institute, Harbin Engineering University)	
	4A06	12:10	12:30	Cancelled	
	<b>Lunch</b>				
	<b>Session 10</b>				
	4A07	14:00	14:20	<b>[Invited] Dissolution of actinide and lanthanide oxides in high-temperature molten salts and their separation</b> Yalan Liu <sup>1</sup> , Yichuan Liu <sup>1</sup> , Weiqun Shi <sup>1</sup> , Shiling Jiang <sup>1</sup> , Dongdong Wang <sup>1</sup> , Yuke Zhong <sup>1</sup> (1. Institute of High Energy Physics, Chinese Academy of Sciences)	Y. Katasho
	4A08	14:20	14:40	<b>[Invited] Solidification of RE<sup>3+</sup>, Sr<sup>2+</sup>, Ba<sup>2+</sup> in chlorine-containing waste melt in glass-ceramics structure</b> Rugeng Liu <sup>1</sup> (1. Harbin Engineering University)	
4A09	14:40	15:00	<b>Oxidation and vaporization behavior of platinum group alloys in molten glass</b> Koya Yamazaki <sup>1</sup> , Naoki Tarumi <sup>1</sup> , Isamu Sato <sup>1</sup> , Haruka Tada <sup>2</sup> , Haruaki Matsuura <sup>1</sup> (1. Tokyo City Univ., 2. IHI Corporation)		
16, Nov. (Thu) Room B	<b>Session 11</b>				
	4B01	10:00	10:30	<b>[Keynote] Aluminium Chloride and Molten Salts Electrolysis</b> Geir Martin Haarberg <sup>1</sup> (1. Norwegian University of Science and Technology)	K. Kawaguchi,
	4B02	10:30	10:50	<b>[Invited] The electrochemical preparation of nano-sized TiC reinforced Fe-based composite powder from titanium-rich slag</b> QIAN XU <sup>1</sup> , Lin Sun <sup>2</sup> , Qiushi Song <sup>2</sup> , chenteng Sun <sup>1</sup> , Ying Li <sup>1</sup> , Xionggang Lu <sup>1</sup> (1. SHANGHAI UNIVERSITY, 2. Northeastern University)	G. M. Haarberg
	4B03	10:50	11:10	<b>[Invited] Molten salt electrochemical processes for precise preparation of functional materials</b> Xingli Zou <sup>1</sup> , Zhongya Pang <sup>1</sup> , Shujuan Wang <sup>1</sup> , Qian Xu <sup>1</sup> , Xionggang Lu <sup>1</sup> (1. Shanghai University)	
		11:10	11:30	Coffee Break	
	4B04	11:30	11:50	<b>[Invited] Electrochemical Behaviors of LaCoO<sub>3-δ</sub> Anodes in LiF-KF Melt for Oxygen Evolution</b> Seiya Tanaka <sup>1</sup> , Yuta Suzuki <sup>1</sup> , Takuya Goto <sup>1</sup> (1. Doshisha Univeristy)	
	4B05	11:50	12:10	<b>[Invited] Numerical characterization of a Molten Carbonate Electrolysis Cell</b> Juan Pedro Pérez Trujillo <sup>1</sup> , Lan Hu <sup>1</sup> , Göran Lindbergh <sup>1</sup> , Carina Lagergren <sup>1</sup> (1. KTH Royal Institute of Technology)	
	4B06	12:10	12:30	<b>A Kinetic study of Carbon Capture in Molten Salt</b> Sondre Greve Iveland <sup>1,2</sup> , Alexander Westbye <sup>2</sup> , Espen Olsen <sup>2</sup> , Jorge Mario Marchetti <sup>2</sup> , Heidi Nygård <sup>2</sup> (1. Enestor, 2. NMBU)	
	<b>Lunch</b>				
	<b>Session 12</b>				
4B07	14:00	14:20	<b>Electrochemical production of fine Al-V alloy powder in molten LiCl-KCl</b> Shuhan Wang <sup>1</sup> , Xin Lu <sup>1,2</sup> , Osamu Takeda <sup>1</sup> , Hongmin Zhu <sup>1</sup> (1. Tohoku University, 2. University of Science and Technology Beijing)	K. Yasuda	
4B08	14:20	14:40	<b>Electrodeposition of silicide on metal substrates in molten CaCl<sub>2</sub></b> Xiaotian Cheng <sup>1</sup> , Xiao Yang <sup>1</sup> (1. westlake university)		
4B09	14:40	15:00	<b>Separation of zinc from EAF dust in molten MgCl<sub>2</sub></b> Jingdong Huang <sup>1</sup> , Xiao Yang <sup>1</sup> (1. Westlake University)		
16, Nov. (Thu) Room A	<b>Special Lecture</b>				
	SP01	15:10	15:50	<b>Ionic liquids based on fluorohydrogenate anions</b> Rika Hagiwara <sup>1</sup> (1. Kyoto University)	Y. Katayama
	<b>Closing</b>				
	15:50	16:00	<b>Closing Ceremony</b>		