

# Timetable of Scientific Program - Chairpersons

	Oct. 19	Oct. 20			Oct. 21			Oct. 22			Oct. 23																
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10:50		IWANP Poster	Poster Preparation													10:50											
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11:10		Session2 S. Chen, Matsuura														11:10											
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\* IWANP:International Workshop for Asian Nuclear Prospect

# Timetable of Scientific Program - Presenter

	Oct. 19	Oct. 20			Oct. 21			Oct. 22			Oct. 23			
		A	B	C	A	B	C	A	B	C	A	B	C	
9:00														9:00
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## 2008 Joint Symposium on Molten Salts - Scientific Program

Prog. No.	Abs. No.	Date	Time	Room	Title & Author(s)	Country	Chairperson
<b>Plenary Lectures</b>							
1A100 PL	354174-1	Oct.20	10:00	A&B	<b>Treatment of Spent Nuclear Fuel with Molten Salts</b> (Idaho National Laboratory) <u>K. Michael Goff</u>	USA	S. Tanaka
3A090 PL	355066-1	Oct.22	9:00	A&B	<b>Molecular Simulation of Molten Salts Mixtures: A Predictive Tool</b> (Universite Pierre et Marie Curie) <u>Pierre Turg</u> , Mathieu Salanne, Christian Simon, Paul Madden	France	Z. Qiao
3A100 PL	312481-1	Oct.22	10:00	A&B	<b>Application of Ionic Liquids to Energy Storage Devices</b> (Mitsubishi Chemical Corporation) <u>Makoto Ue</u>	Japan	S. Deki
<b>Session 1 - Fundamental structure and properties of molten salts</b>							
<b>Oral Presentation</b>							
1B132	322866-1	Oct.20	13:20	B	<b>Application of Ionic Liquids to Organic Electronics</b> ( <sup>1</sup> Osaka Univ., Graduate School of Science, <sup>2</sup> CRIEPI) <u>Jun Takeya</u> <sup>1</sup> , R. Hirahara <sup>1</sup> , Y. Tominari <sup>1</sup> , S. Ono <sup>2</sup> , S. Seki <sup>2</sup> , K. Miwa <sup>2</sup>	Japan	V.A.Khokhlov,
1B134	317143-3	Oct.20	13:40	B	<b>TiB<sub>2</sub> Electrolysis: High Temperature NMR and Raman Description of the NaCl-Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>-Na<sub>3</sub>AlF<sub>6</sub>-TiO<sub>2</sub> System</b> ( <sup>1</sup> CNRS CEMHTI, <sup>2</sup> Inst. of Physical Chemistry of Romanian Academy) <u>Catherine Bessada</u> <sup>1</sup> , Elena M Anghel <sup>2</sup> , Pierre Florian <sup>1</sup> , Patrick Simon <sup>1</sup>	France	S. Hosokawa
1B140	310852-1	Oct.20	14:00	B	<b>CaO Isoactivity Line in Molten Salts CaCl<sub>2-x</sub> (x=0, NaCl, KCl, SrCl<sub>2</sub>, BaCl<sub>2</sub>, and LiCl)</b> (Northeastern Univ.) <u>Shulan Wang</u> , Fusheng Zhang	China	
1B142	317082-1	Oct.20	14:20	B	<b>Thermal Conductivity of Some Molten Alkali Halides: Dipole Interaction Effect</b> ( <sup>1</sup> Niigata Univ., Graduate School of Science and Technology, <sup>2</sup> Universite Pierre et Marie Curie-Paris 6, <sup>3</sup> Univ. of Edinburgh, School of Chemistry) <u>Norikazu Ohtori</u> <sup>1</sup> , Yukiyo Matsumoto <sup>1</sup> , Mathieu Salanne <sup>2</sup> , Paul A. Madden <sup>3</sup>	Japan	
1B152	317470-1	Oct.20	15:20	B	<b>[Invited Lecture] Anomalous Cation Distribution of Molten Noble-metal Halides</b> ( <sup>1</sup> Kyushu Univ., Dept. of Physics, Faculty of Sciences, <sup>2</sup> Niigata Univ. of Pharmacy and Applied Life Science, Faculty of Pharmacy, <sup>3</sup> Kyushu Univ., Dept. of Condensed Matter Chemistry and Physics, Graduate School of Sciences) <u>Yukinobu Kawakita</u> <sup>1</sup> , Shuta Tahara <sup>2</sup> , Hiroki Ueno <sup>3</sup> , Shin'ichi Takeda <sup>1</sup>	Japan	C. Bessada, N. Ohtori
1B155	316982-1	Oct.20	15:50	B	<b>[Invited Lecture] Collective Dynamics in Molten CuCl Observed by High-Resolution Inelastic X-ray Scattering at Spring-8</b> ( <sup>1</sup> Hiroshima Univ., Graduate School of Integrated Arts and Sciences, <sup>2</sup> Kyoto Univ., Graduate School of Engineering, <sup>3</sup> Hiroshima Inst. of Technology, Center for Materials Research using Third-Generation Synchrotron Radiation Facilities, <sup>4</sup> Spring-8/JASRI, <sup>6</sup> Spring-8/RIKEN) <u>Masanori Inui</u> <sup>1</sup> , Yukio Kajihara <sup>1</sup> , Kazuhiro Matsuda <sup>2</sup> , Shinya Hosokawa <sup>3</sup> , Satoshi Tsutsui <sup>4</sup> , Alfred Q. R. Baron <sup>5</sup>	Japan	
1B162	315575-1	Oct.20	16:20	B	<b>Volume Properties of Crystalline Alkali Chlorides and Their Eutectic Mixtures near Melting Point</b> (Inst. of High-Temperature Electrochemistry) <u>Vladimir A. Khokhlov</u> , Vladimir I Minchenko	Russia	
1B164	317028-1	Oct.20	16:40	B	<b>Acoustic and Optical Phonons in Molten NaI</b> ( <sup>1</sup> Hiroshima Inst. of Technology, <sup>2</sup> ISIS, <sup>3</sup> Philipps Univ. Marburg, <sup>4</sup> Hiroshima Univ., <sup>6</sup> Spring-8/JASRI, <sup>6</sup> Spring-8/RIKEN) <u>Shinya Hosokawa</u> <sup>1</sup> , Franz Demmel <sup>2</sup> , Wolf-Christian Pilgrim <sup>3</sup> , Masanori Inui <sup>4</sup> , Satoshi Tsutsui <sup>5</sup> , Alfred Q. R. Baron <sup>6</sup>	Japan	
3B110K	326504-1	Oct.22	11:00	B	<b>[Keynote Lecture] Properties of Molten Carbonates Coexisting with Porous Inorganic Powder</b> (Kobe Univ.) <u>Shigehito Deki</u> , Tatsuo Ohta, Minoru Mizuhata	Japan	M-L. Saboungi
3B113K	338077-1	Oct.22	11:30	B	<b>[Keynote Lecture] From Molten Salts to Ionic Liquids: Old Wine in New Bottles?</b> (CRMD, CNRS-Universite d'Orleans) <u>Marie-Louise Saboungi</u>	France	S. Deki
3B130	317391-1	Oct.22	13:00	B	<b>Molecular Dynamics Study of Dynamical Heterogeneity and Glass Transition in Ionic Liquids</b> ( <sup>1</sup> Tokyo Inst. of Technology, <sup>2</sup> Naval Research Lab.) <u>Junko Habasaki</u> <sup>1</sup> , Kia L Ngai <sup>2</sup>	Japan	A. Goldbach, R. Hagiwara
3B132	318787-1	Oct.22	13:20	B	<b>The Structure of Liquid 1-Alkyl-3-</b>	China	

	1					<b>Methylimidazolium Bromides: A Combined High-Energy X-Ray Diffraction and Molecular Dynamics Simulation Study</b> ( <sup>1</sup> Dalian Inst. of Chemical Physics, <sup>2</sup> Japan Synchrotron Radiation Research Inst., <sup>3</sup> Institut Laue Langevin, <sup>4</sup> Laboratoire de Physique des Milieux Denses, <sup>6</sup> Centre de Recherche sur la Matiere Divisee) <u>Andreas Goldbach</u> <sup>1</sup> , Shinji Kohara <sup>2</sup> , Bachir Aoun <sup>3</sup> , Miguel Angel Gonzalez <sup>3</sup> , Jean-Francois Wax <sup>4</sup> , Marie-Louise Saboungi <sup>5</sup>			
3B134	307744-1	Oct.22	13:40	B		<b>Ordering Structure of Binary Aliphatic Quaternary Ammonium Ionic Liquids</b> (Kobe Univ.) <u>Minoru Mizuhata</u> , Takeshi Minowa, Shigeo Deki	Japan		
3B142	314731-1	Oct.22	14:20	B		<b>Synthesis and Properties of Pyrrolidinium and Piperidinium Bis(trifluoromethanesulfonyl) imide Ionic Liquids with Allyl Substituents</b> (Seoul National Univ., Dept. of Chemical and Biological Engineering) <u>Taeun Yim</u> , Chang Young Choi, Hyun Yeong Lee, Hyo-Jin Kim, Junyoung Mun, Sangmi Kim, Seung M. Oh, Young Gyu Kim	Korea		
3B144	316068-1	Oct.22	14:40	B		<b>Physicochemical Properties of Mixed Alkali Metal FSI Salts</b> (Graduate School of Energy Science, Kyoto Univ.) <u>Keigo Kubota</u> , Toshiyuki Nohira, Takuya Goto, Rika Hagiwara	Japan		
3B151	316406-1	Oct.22	15:10	B		<b>[Invited Lecture] Electrolytic Conductivities of Some Molten Fluorides</b> ( <sup>1</sup> Doshisha Univ., Faculty of Science and Technology, Dept. of Molecular Science and Biochemistry, <sup>2</sup> Doshisha Univ., Graduate school of engineering, Dept. of Applied Chemistry, <sup>3</sup> Daikin Industry Ltd.) <u>Akimasa Tasaka</u> <sup>1</sup> , Takaaki Nakai <sup>2</sup> , Kenta Nakanishi <sup>2</sup> , Tomohiro Isogai <sup>3</sup> , Minoru Inaba <sup>1</sup>	Japan	K. Funke,	
3B154	320862-1	Oct.22	15:40	B		<b>[Invited Lecture] Broadband Conductivities and Fluidities of Fragile Ionic Liquids</b> (Muenster Univ., Inst. of Physical Chemistry) <u>Klaus Funke</u> , Wojciech Wrobel, Ana Santic, Monika Mutke, Radha Dilip Banhatti	Germany	A. Tasaka	
3B161	324844-1	Oct.22	16:10	B		<b>[Invited Lecture] Fluorohydrogenate Ionic Liquids - Their Unique Feature and New Applications-</b> ( <sup>1</sup> Graduate School of Energy Science, Kyoto Univ., <sup>2</sup> Research & Utilization Div., Japan Synchrotron Radiation Research Inst.) <u>Rika Hagiwara</u> <sup>1</sup> , Toshiyuki Nohira <sup>1</sup> , Kazuhiko Matsumoto <sup>1</sup> , Shinji Kohara <sup>2</sup>	Japan		
3B164	325242-2	Oct.22	16:40	B		<b>Ionic Structure of Cryolite-based Melts</b> ( <sup>1</sup> Northeastern Univ., The Key Lab. of Electromagnetic Processing of Materials, Ministry of Education, <sup>2</sup> Northeastern Univ., School of Materials and Metallurgy) <u>Xianwei Hu</u> <sup>1</sup> , Zhaowen Wang <sup>2</sup> , Bingliang Gao <sup>2</sup> , Zhongning Shi <sup>2</sup> , Yaxin Yu <sup>2</sup> , Xudong Luo <sup>2</sup> , Xiaozhou Cao <sup>2</sup> , Shaoqiang Wang <sup>2</sup>	China		
3B170	322392-1	Oct.22	17:00	B		<b>Low-power and Fast-switching Organic Field-effect Transistors with Ionic Liquids</b> ( <sup>1</sup> Central Research Inst. of Electric Power Industry, <sup>2</sup> Graduate School of Science, Osaka Univ.) <u>Shimpei Ono</u> <sup>1</sup> , K Miwa <sup>1</sup> , S Seki <sup>1</sup> , R Hirahara <sup>2</sup> , Y Tominari <sup>2</sup> , J Takeya <sup>2</sup>	Japan		
3B172	258252-1	Oct.22	17:20	B		<b>Molecular Dynamics Simulations of Guanidinium-Based Ionic Liquids: From Electron Charge Transfer and Polarization to a New Self-Diffusion Mechanism</b> (A*STAR) <u>Marco Klahn</u> , Abirami Seduraman, Ping Wu	Singapore		
3B174	354748-1	Oct.22	17:20	B		<b>Viscosity of molten rare earth chlorides</b> ( <sup>1</sup> Inst. of High Temperature Electrochemistry, <sup>2</sup> Tohoku Univ.) <u>A. Potapov</u> <sup>1</sup> , <u>Y. Sato</u> <sup>2</sup>	Russia, Japan		
Poster Session									
1P001	322649-1	Oct.20&	19:00	P		<b>Structure of Molten Ag<sub>2</sub>Se-AgI Mixtures</b> ( <sup>1</sup> Niigata Univ. of Pharmacy and Applied Life Sciences, <sup>2</sup> Kyushu Univ., <sup>3</sup> Japan Synchrotron Radiation Research Inst.) <u>Shuta Tahara</u> <sup>1</sup> , Hiroki Ueno <sup>2</sup> , Koji Ohara <sup>2</sup> , Yukinobu Kawakita <sup>2</sup> , Shin'ichi Takeda <sup>2</sup> , Shinji Kohara <sup>3</sup> , Masayoshi Itou <sup>3</sup> , Satoru Ohno <sup>1</sup>	Japan	Y. Iwadate,	
1P003	317447-1	Oct.20&	19:00	P		<b>Temperature Dependence of Molten Structure of Silver Halide Mixtures</b> ( <sup>1</sup> Kyushu Univ., Dept. of Condensed Matter Chemistry and Physics, Faculty of Sciences, <sup>2</sup> Niigata Univ. of Pharmacy and Applied Life	Japan	H. Zhu,	

					Science, Faculty of Pharmacy, <sup>3</sup> Kyushu Univ., Dept. of Physics, Faculty of Sciences, <sup>4</sup> Japan Synchrotron Radiation Research Inst. (JASRI, SPring-8), Research and Utilization Div.) <u>Hiroki Ueno</u> <sup>1</sup> , <u>Shuta Tahara</u> <sup>2</sup> , <u>Yukinobu Kawakita</u> <sup>3</sup> , <u>Shinji Kohara</u> <sup>4</sup> , <u>Shin'ichi Takeda</u> <sup>3</sup>		
1P004	347495-2	Oct.20&	20:00	P	<b>Study on Melting Points of Mixed Salts</b> (Zhejiang Univ. of Technology, College of Chemical Engineering and Materials Science) <u>Ning Ai</u> , <u>Aimin Chen</u> , <u>Hongtao Jiang</u> , <u>Tengyue Cai</u> , <u>Jianbing Ji</u>	China	Y. Katayama,
1P008	317424-1	Oct.20&	20:00	P	<b>Solubility of CO<sub>2</sub> Gas in the Molten CaO-CaCl<sub>2</sub></b> ( <sup>1</sup> Graduate school of engineering, Hokkaido Univ., <sup>2</sup> Graduate school of engineering, Hokkaido Univ., <sup>3</sup> Graduate school of engineering, Hokkaido Univ.) <u>Jiro Hashizume</u> , <u>Ryosuke O Suzuki</u> , <u>Yuichi Oka</u>	Japan	H. Matsuura,
1P009	322467-1	Oct.20&	19:00	P	<b>Spectroscopic Study of Ionic Mesomorphic Melts Based on Co (II) Alkanoate</b> (Inst. of General and Inorganic Chemistry of NAS of Ukraine) <u>Tatyana A. Mirnaya</u> , <u>Inna I. Tokmenko</u> , <u>Alexandr N. Ponomarenko</u> , <u>Galina G. Yaremchuk</u>	Ukraine	N. Hirai
1P010	317057-1	Oct.20&	20:00	P	<b>Thermal Properties of Ionic Liquid-water Binary Systems</b> ( <sup>1</sup> Graduate School of Energy Science, Kyoto Univ., <sup>2</sup> Denso Co., Ltd.) <u>Yoshito Nakata</u> <sup>1</sup> , <u>Rika Hagiwara</u> <sup>1</sup> , <u>Kimio Kohara</u> <sup>2</sup>	Japan	
1P011	320848-1	Oct.20&	19:00	P	<b>QSPR Analysis for Infinite Dilution Activity Coefficients of Organic Solutes in Ionic Liquids</b> ( <sup>1</sup> Beijing Inst. of Petrochemical Technology, Dept. of Chemical Engineering, <sup>2</sup> School of Chemical Engineering & Environment, Beijing Inst. of Technology) <u>Minglan Ge</u> <sup>1</sup> , <u>Cuiqing Li</u> <sup>1</sup> , <u>Lisheng Wang</u> <sup>2</sup>	China	
1P012	322499-1	Oct.20&	20:00	P	<b>CO<sub>2</sub> Absorption Properties of N, N-Dimethylformamide-based Ionic Liquid</b> ( <sup>1</sup> Nihon Univ., <sup>2</sup> National Inst. of Advanced Industrial Science and Technology) <u>Takeshi Ono</u> <sup>1</sup> , <u>Masaki Kokubo</u> <sup>1</sup> , <u>Mitsuhiro Kanakubo</u> <sup>2</sup> , <u>Hajime Kawanami</u> <sup>2</sup> , <u>Toshirou Yokoyama</u> <sup>2</sup> , <u>Hiroshi Nanjo</u> <sup>2</sup> , <u>Daisuke Kodama</u> <sup>1</sup> , <u>Masahiro Kato</u> <sup>2</sup>	Japan	
1P014	322274-1	Oct.20&	20:00	P	<b>Highly Efficient and Facile Protocol for the Synthesis of Thioamides in (MIm)<sub>2</sub>(CH<sub>2</sub>)<sub>6</sub>Cl<sub>2</sub> as a Dicationic Ionic Liquid</b> (Dept. of Chemistry, Univ. of Isfahan) <u>Ahmad Reza Khosropour</u> , <u>Jalil Noei</u>	Iran	
1P015	324033-1	Oct.20&	19:00	P	<b>Anodic Oxidation of Methanol at a Pt Electrode in a Hydrophobic Room Temperature Ionic Liquid</b> (Keio Univ., Faculty of Science and Technology) <u>Yasushi Kunihiro</u> , <u>Yasushi Katayama</u> , <u>Takashi Miura</u>	Japan	
1P016	333894-1	Oct.20&	20:00	P	<b>Molecular Dynamics Simulation of Guanidinium-Based Ionic Liquids with a Force Field Based on the Charge Distribution in the Actual Liquid</b> (Institute of High performance and Computing) <u>Abirami Seduraman</u> , <u>Marco Klahn</u> , <u>Ping Wu</u>	Singapore	
1P021	322236-1	Oct.20&	19:00	P	<b>Electrochemical and Spectroscopic Studies of Europium(II/III) Species in a Hydrophobic Room-temperature Ionic Liquid</b> (Dept. of Applied Chemistry, Faculty of Science and Technology, Keio Univ.) <u>Naoki Tachikawa</u> , <u>Yasushi Katayama</u> , <u>Takashi Miura</u>	Japan	
1P022	324539-2	Oct.20&	20:00	P	<b>Quantum Chemical Study on Structure and Property of Acidic Ionic Liquids</b> (Beijing Inst. of Petrochemical Technology) <u>Yufeng Yi</u> , <u>Fuchen Ding</u> , <u>Liangfa Gong</u> , <u>Guangzhou Jin</u> , <u>Junbin Gao</u>	China	
1P023	325242-1	Oct.20&	19:00	P	<b>Structural Entities in NdF<sub>3</sub>-LiF Melts</b> ( <sup>1</sup> Northeastern Univ., The Key Lab. of Electromagnetic Processing of Materials, Ministry of Education, <sup>2</sup> Northeastern Univ., School of Materials and Metallurgy) <u>Xianwei Hu</u> <sup>1</sup> , <u>Zhaowen Wang</u> <sup>2</sup> , <u>Zhongning Shi</u> <sup>2</sup> , <u>Bingliang Gao</u> <sup>2</sup> , <u>Xudong Luo</u> <sup>2</sup> , <u>Xiaozhou Cao</u> <sup>2</sup> , <u>Jianzhong Song</u> <sup>2</sup>	China	
1P024	329178-1	Oct.20&	20:00	P	<b>Thermoelectromotive force of some redox couples in an imide-type room-temperature ionic liquid</b> (Keio Univ., Faculty of Science and Technology, Dept. of Applied Chemistry) <u>Isubasa Migita</u> , <u>Naoki Tachikawa</u> , <u>Yasushi Katayama</u> , <u>Takashi Miura</u>	Japan	
1P025	330092-1	Oct.20&	19:00	P	<b>An Assessment of Micro Hardness, Tensile Strength, High Temperature Corrosion Behavior under Molten Salt Environment and Evaluation of Pitting Corrosion of TIG Welded Monel 400</b> ( <sup>1</sup> VIT	India	

					Univ., <sup>2</sup> IIT Roorkee) <u>N Arivazhagan</u> <sup>1</sup> , N.Diraj Naidu <sup>1</sup> , G. Saravanan <sup>1</sup> , Vijaya Ragavan <sup>1</sup> , Pawan Kumar Sapra <sup>2</sup>		
1P026	334103-1	Oct.20&	20:00	P	<b>New Reverse Monte Carlo modelling simulation for molecular and ionic liquids</b> ( <sup>1</sup> Yamagata Univ., <sup>2</sup> Japan Synchrotron Radiation Research Institute (SPring-8/JASRI) , <sup>3</sup> ISIS Facility, Rutherford Appleton Laboratory) <u>Hidetoshi Morita</u> <sup>1</sup> , Shinji Kohara <sup>2</sup> , Masaki Takata <sup>2</sup> , Alex C. Hannon <sup>3</sup> , Takeshi Usuki <sup>1</sup>	Japan	
<b>Session 2 - Spectroscopy, Modelling, Thermodynamics</b>							
<b>Oral Presentation</b>							
1C112	326308-2	Oct.20	11:20	C	<b>Phase equilibrium in LnXn-MX Lanthanide-Alkali metal halide systems: from Ln(III) to Ln(II)</b> ( <sup>1</sup> Ecole Polytechnique, Mecanique Energetique, France, <sup>2</sup> Wroclaw Univ. of Technology, Poland, <sup>3</sup> Faculty of Science, Department of Chemistry, University of Novi Sad) <u>Marcelle Gaune-Escard</u> <sup>1</sup> , Leszek Rycerz <sup>2</sup> , Ewa Ingier-Stocka <sup>2</sup> , Slobodan Gadzuric <sup>3</sup>	France	S. Chen,
1C114	317251-2	Oct.20	11:40	C	<b>Study on Mixing Behavior of Terbium Chloride in Molten Alkali Chloride by High Energy XAFS and Molecular Dynamics (MD) Calculation</b> ( <sup>1</sup> Research Lab. for Nuclear Reactors, Tokyo Inst. of Technology, <sup>2</sup> Japan Atomic Energy Agency, <sup>3</sup> Research Lab. for Nuclear Reactors, Tokyo Inst. of Technology, <sup>4</sup> Univ. of Edinburgh, <sup>6</sup> Dept. of science and engineering, Ibaraki Univ.) <u>Masahiko Numakura</u> <sup>1</sup> , Yoshihiro Okamoto <sup>2</sup> , Tsuyoshi Yaita <sup>2</sup> , Hideaki Shiwaku <sup>1</sup> , Shinichi Suzuki <sup>2</sup> , Haruaki Matsuura <sup>1</sup> , Paul A Madden <sup>3</sup> , Tohru Kobayashi <sup>4</sup> , Kazuhiro Akutsu <sup>4</sup>	Japan	H. Matsuura
1C130K	322819-1	Oct.20	13:00	C	<b>[Keynote Lecture] Activity Measurement Using EMF Method with Molten KCl-LiCl Electrolyte</b> ( <sup>1</sup> School of Metallurgy and Ecological Engineering, Univ. of Science and Technology, China, <sup>2</sup> Institut fur Anorganische Chemie / Materialchemie, Universitat Wien) <u>Zhiyu Qiao</u> <sup>1</sup> , Zuoan Li <sup>1</sup> , Zhanmin Cao <sup>1</sup> , Adolf Mikula <sup>2</sup>	China	M. Gaune-Escard
1C133K	326308-1	Oct.20	13:30	C	<b>[Keynote Lecture] Lanthanide-alkali Metal Halide Systems: Characterization and Prediction of Phase Diagram Topology</b> ( <sup>1</sup> Ecole Polytechnique, Mecanique Energetique, France, <sup>2</sup> Wroclaw Univ. of Technology, Poland) <u>Marcelle Gaune-Escard</u> <sup>1</sup> , Leszek Rycerz <sup>2</sup>	France	Z. Qiao
1C140I	316965-1	Oct.20	14:00	C	<b>[Invited Lecture] Gas Solubility in Ionic Liquids</b> (Univ. of Kaiserslautern) <u>Gerd Maurer</u>	Germany	M. Gaune-Escard
1C143I	317534-1	Oct.20	14:30	C	<b>[Invited Lecture] Virtual pH-paper: a Method to Predict Hammett Acidity of Liquids from ab initio Molecular Dynamics</b> ( <sup>1</sup> Pierre et Marie Curie Univ., <sup>2</sup> Dept. of Physics, Universita la Sapienza, Rome, <sup>3</sup> Center for Molecular Modeling and Dept. of Chemistry, Univ. of Pennsylvania, USA) <u>Christian Simon</u> <sup>1</sup> , Giovanni Ciccotti <sup>2</sup> , Mike L Klein <sup>3</sup>	France	
1C152	316975-2	Oct.20	15:20	C	<b>In-situ Multispectroscopic Investigation on Oxyfluoride Species Formation in Molten Rare Earth Fluoride Mixtures by NMR and EXAFS</b> ( <sup>1</sup> CEMHTI, CNRS, <sup>2</sup> Research Lab. for Nuclear Reactors, Tokyo Institute of Technology, <sup>3</sup> Japan Atomic Energy Agency) <u>Haruaki Matsuura</u> <sup>1</sup> , Hiroshi Akatsuka <sup>2</sup> , Yoshihiro Okamoto <sup>3</sup> , Anne-Laure Rollet <sup>1</sup> , Didier Zanghi <sup>1</sup> , Aydar Rakhmatullin <sup>1</sup> , Catherine Bessada <sup>1</sup>	France	G. Maurer
1C154	314900-1	Oct.20	15:40	C	<b>Numerical Simulation and Experimental Study for Flow Field of Magnesium Electrolytic Cell</b> (State Key Lab of Chemical Engineering, East China Univ. of Science and Technology) <u>Ze Sun</u> , Bing Li, ZhongMing Shu, Ping Li, JianGuo Yu	China	
1C160	326183-1	Oct.20	16:00	C	<b>Thermodynamic and kinetic properties of oxide ion in LiCl-KCl-Li<sub>2</sub>O system</b> (Dept. of Fundamental Energy Science, Graduate School of Energy Science, Kyoto Univ.) <u>Takuya Goto</u> , Yasuhiro Araki, Yuya Kado, Rika Hagiwara	Japan	
1C162	315352-1	Oct.20	16:20	C	<b>Molten Globule Like State of Proteins by Surfactants (Ionic and Non-Ionic) and Carbohydrate</b> (Dept. of Biology, Faculty of Science, Islamic Azad Univ., <sup>2</sup> Dept. of Biology, Faculty of Science,	Iran	

						Islamic Azad Univ. - Mashhad Branch, Mashhad, Iran) Jamshidkhan Chamani, Ali A. Moosavi-Movahedi		
Poster Session								
1P027	315575-3	Oct.20&	19:00	P	<b>Raman Spectra of Terbium Trichloride, Phosphorus Pentachloride and Their Molten Mixtures</b> ( <sup>1</sup> Inst. of High-Temperature Electrochemistry, <sup>2</sup> Inst. of High-Temperature Electrochemistry, <sup>3</sup> Inst. of High-Temperature Electrochemistry) Alexander B Salyulev <sup>1</sup> , Irina D Zakiryanova <sup>2</sup> , <u>Vladimir A Khokhlov</u> <sup>3</sup>	Russia	Y. Iwadate, H. Zhu,	
1P028	317251-1	Oct.20&	20:00	P	<b>Structural Analysis on Molten Terbium Fluoride by XAFS</b> ( <sup>1</sup> Research Lab. for Nuclear Reactor, Tokyo Inst. of Technology, <sup>2</sup> Japan Atomic Energy Agency, <sup>3</sup> Dept. of science and engineering, Ibaraki Univ., <sup>4</sup> Dept. of science and engineering, Ibaraki Univ.) Masahiko Numakura <sup>1</sup> , Haruaki Matsuura <sup>1</sup> , Yoshihiro Okamoto <sup>2</sup> , Tsuyoshi Yaita <sup>2</sup> , Hideaki Shiwaku <sup>2</sup> , Shinichi Suzuki <sup>2</sup> , Hiroshi Akatsuka <sup>1</sup> , Atsushi Nezu <sup>1</sup> , Tohru Kobayashi <sup>3</sup> , Kazuhiro Akutsu <sup>3</sup>	Japan	Y. Katayama,	
1P029	316224-2	Oct.20&	19:00	P	<b>Anodic Dissolution of Niobium in Chloride Melts: Spectroscopic and Electrochemical Study</b> (Ural State Technical Univ. - UPI, Dept. of Rare Metals and Nanomaterials) <u>Mikhail V. Chernyshov</u> , Ilya B. Polovov, Elena P. Kozlova, Vladimir A. Volkovich, Oleg I. Rebrin	Russia	H. Matsuura,	
1P030	315575-4	Oct.20&	19:00	P	<b>Electrochemistry of Samarium Ions in Molten Alkali Chlorides</b> (Inst. of High temperature Electrochemistry) Elena Nikolaeva, Andrei Bovet, <u>Vladimir Khokhlov</u>	Russia	N. Hirai	
Session 4 - Synthesis, Reaction								
Oral Presentation								
2B093	352545-2	Oct.22	14:40	B	<b>Cathodic Dissociation of Perovskite by K<sup>+</sup> Ions for Electro-winning of Ti metal</b> (Univ. of Leeds) Abhishek Lahiri, Xiaobing Yang, <u>Animesh Jha</u>	UK	A. Jha,	
2B095	352545-1	Oct.22	15:20	B	<b>A Comparison of the Performance of Different Anodes on the Electro-winning of Titanium Metal from Titanium Dioxide</b> (Univ. of Leeds) Abhishek Lahiri, Xiaobing Yang, <u>Animesh Jha</u>	UK	T. Okabe	
2B101	317671-1	Oct.21	10:10	B	<b>Organostibine-Mediated Controlled/Living Radical Polymerization in Ionic Liquids</b> (Beijing Normal Univ., College of Chemistry, Beijing) Junyan Dou, <u>Jun Li</u> , Zhengping Liu	China		
2B103	334324-1	Oct.21	10:30	B	<b>[Invited Lecture] Electrochemical and Microscopic Studies on Reduction of Nb<sub>2</sub>O<sub>5</sub>-SnO<sub>2</sub> Pellets in Molten CaCl<sub>2</sub>-NaCl Eutectic</b> ( <sup>1</sup> Dept. of Materials Science and Metallurgy, Univ. of Cambridge, <sup>2</sup> Div. of Minerals, Commonwealth Scientific and Industrial Research Organisation (CSIRO)) Derek J Fray <sup>1</sup> , Xiao Y Yan <sup>2</sup>	UK, Australia		
2B110	338160-1	Oct.21	11:00	B	<b>[Invited Lecture] Recent Topics on Titanium and Silicon Production Technologies</b> (Univ. of Tokyo) <u>Toru H. Okabe</u>	Japan		
2B113	316361-1	Oct.21	11:30	B	<b>[Invited Lecture] Synthesis of Alkali Metal Ion-Exchanged Hollandite-type MnO<sub>2</sub> in Alkali Metal Molten Salts and Electrochemical Properties for Lithium Battery Electrodes</b> (Iwate Univ., Graduate School of Engineering) Naoaki Kumagai, Ryo Kimura, Yoshihiro Kadoma, Koichi Ui	Japan		
3A131	317151-1	Oct.22	13:10	A	<b>The Investigation of Electroreduction Sm-ions on Different Electrodes in KCl-NaCl-CsCl Chloride Melt at 823K</b> (Kabardino-Balkarian State Univ., Dept. of Inorganic and Physical Chemistry) Radina A. Karashaeva, Hasbi B. Kushkhov, <u>Murat R. Tlenkopachev</u> , Madzera K. Vindizheva, Azida H. Kyarova	Russia	M. Zhao,	
3A133	317151-3	Oct.22	13:30	A	<b>The Investigation of Joint Electroreduction La, Ce-ions and Boron in Halide Melts</b> (Kabardino-Balkarian State Univ., Dept. of Inorganic and Physical Chemistry) Radina A. Karashaeva, Hasbi B. Kushkhov, <u>Madzera K. Vindizheva</u> , Marina N. Nafonova	Russia	T. Nohira	
3A135	319370-1	Oct.22	13:50	A	<b>[Invited Lectures] Morphology Controlled Synthesis of Some Perovskite Compounds in Molten Salts</b> (Dept of Physical Chemistry, Univ. of Science and Technology Beijing) Lihong Li, Jinxia Deng, Jun Chen, Ranbo Yu, Zongyin Cai, <u>Xianran Xing</u>	China		
3A142	313551-1	Oct.22	14:20	A	<b>Preparation of Nb-Ti Alloy by Electrolytic Reduction from the Mixture of Nb<sub>2</sub>O<sub>5</sub> and TiO<sub>2</sub> in a Eutectic CaCl<sub>2</sub>-NaCl melt</b> (School of Materials Science and	China		

					Metallurgy, Northeastern Univ.) <u>Qian Xu</u> , Qingmei Ma, Yiming Ma		
3A144	328521-1	Oct.22	17:00	A	<b>Hot Syngas Cleaning of Biomass Gasification Using Molten Carbonate</b> (Central Research Inst. of Electric Power Industry) <u>Makoto Kawase</u> , Hiroshi Morita	Japan	
3A152	342372-1	Oct.22	17:20	A	<b>Rare Earth Element in Hydrogen Storage V-based Alloy</b> ( <sup>1</sup> Changchun Institute of Applied Chemistry - Chinese Academy of Sciences, <sup>2</sup> Yanshan University) <u>Minshou Zhao</u> <sup>1, 2</sup> , Yuqing Qiao <sup>2</sup> , Yan Liu <sup>2</sup>	China	D. J. Fray,
3A154	316064-1	Oct.22	15:40	A	<b>Physicochemical Properties of Alkylpyrrolidinium Ionic Liquids Containing Fluorocomplex Anions</b> (Kyoto Univ.) <u>Takatsugu Kanatani</u> , Kazuhiko Matsumoto, Masaki Yamagata, Toshiyuki Nohira, Rika Hagiwara	Japan	M. Kawase
3A160	314831-1	Oct.22	16:00	A	<b>A Study on Electrochemical Reduction of LaNi<sub>5</sub> Alloy in a Eutectic CaCl<sub>2</sub>-NaCl Melt</b> (Northeastern Univ., School of Materials Science and Metallurgy) <u>xue kang</u> , qian xu, sujuan ma, lina zhao	China	
3A162	315346-1	Oct.22	16:20	A	<b>The Reaction Mechanism of Electrochemical Reduction of Ta<sub>2</sub>O<sub>5</sub> to Tantalum in a Eutectic CaCl<sub>2</sub>-NaCl Molten Salt</b> (Northeastern Univ., School of Materials Science and Metallurgy, China) <u>Qiushi Song</u> , Qian Xu	China	
3A164	354801-2	Oct.22	16:40	A	<b>Basic Study of Electrochemical Co-deposition of Magnesium-based Alloy in Alkali Chloride Melt</b> (School of Metallurgical and Ecological, Univ. of Science & Technology Beijing) Ninglei Sun, Jialin Ren, Zhanmin Cao, <u>Hongmin Zhu</u>	China	
<b>Poster Session</b>							
1P031	338468-1	Oct.20&	19:00	P	<b>Ionothermal Synthesis of Crystalline, Covalent, Graphitic Carbon Nitride</b> (Max Planck Institute of Colloids and Interfaces) <u>Michael J. Bojdys</u> , Markus Antonietti, Arne Thomas	Germany	Y. Iwadate,
1P032	322831-1	Oct.20&	20:00	P	<b>A Kinetic Study of Synthesis of 1-butyl-3-methylimidazolium Chloride</b> (State Key Lab. for Modification of Chemical Fibers and Polymer Materials, Donghua Univ., Shanghai) <u>Liang Wang</u> , Yumei Zhang, Huaping Wang	China	H. Zhu,
1P033	317367-2	Oct.20&	19:00	P	<b>Preparation of Halide-free Ionic Liquids Using Carbonate Anions</b> ( <sup>1</sup> Dept. of Chemistry National Cheng Kung Univ., <sup>2</sup> Dept. of Environmental Engineering, National Cheng Kung Univ.) <u>Fu-Lin Chen</u> <sup>1</sup> , Fu-Lin Chen <sup>1</sup> , Yu-Jen Chen <sup>1</sup> , Chia-Cheng Tai <sup>1</sup> , I-Wen Sun <sup>1</sup> , H. Paul Wang <sup>2</sup>	Taiwan	Y. Katayama,
1P035	317523-1	Oct.20&	19:00	P	<b>Synthesis of Poly(ethylene Terephthalate) in a Series of Novel Ionic Liquids</b> (Beijing Normal Univ.) <u>Zhengping Liu</u> , Yuntao Zhao	China	H. Matsuura,
1P036	322467-2	Oct.20&	20:00	P	<b>About Synthesis of CdS Nanoparticles in Ionic Liquid Crystalline Melts</b> (Inst. of General and Inorganic Chemistry of NAS of Ukraine) Tatyana A. Mirnaya, <u>Vitali N. Asaula</u> , Galina G. Yaremchuk, Sergei V. Volkov	Ukraine	N. Hirai
1P037	331968-1	Oct.20&	19:00	P	<b>Ion-Exchange Treatment of Glass Surface in Molten Salt</b> ( <sup>1</sup> Hokkaido Univ., <sup>2</sup> Kawazoe frontier technology co., Ltd.) <u>Yasushi Tabei</u> <sup>1</sup> , Mikito Ueda <sup>1</sup> , Toshiaki Ohtsuka <sup>1</sup> , Toshiharu Yamashita <sup>2</sup>	Japan	
1P039	312407-1	Oct.20&	19:00	P	<b>Silicon Powder Production from SiO<sub>2</sub> in Molten LiCl-Li<sub>2</sub>O</b> (Korea Atomic Energy Research Inst.) <u>Jin-Mok Hur</u> , Su-Chul Lee	Korea	
1P040	317435-1	Oct.20&	20:00	P	<b>Synthesis of Ti-6Al-4V Alloy Powder by the Electrolysis of Molten CaCl<sub>2</sub>+CaO</b> ( <sup>1</sup> Graduate school of engineering, Hokkaido Univ., <sup>2</sup> Graduate school of engineering, Hokkaido Univ., <sup>3</sup> Graduate school of engineering, Hokkaido Univ.) <u>Hiroshi Sakai</u> <sup>1</sup> , Ryosuke O Suzuki <sup>2</sup> , Yuichi Oka <sup>3</sup>	Japan	
1P041	347495-1	Oct.20&	19:00	P	<b>Pyrolysis of Biomass in Molten Salt Media</b> (Zhejiang Univ. of Technology, College of Chemical Engineering and Materials Science) Ning Ai, <u>Hongtao Jiang</u> , Dengxiang Ji, Min Wang, Jiangbing Ji	China	
1P043	310847-1	Oct.20&	19:00	P	<b>Ion-Transport Processes under the Formation of Niobium Anodic Oxide Film in Potassium Nitrate Melt</b> (PCB "Argo") <u>Leonid I. Skatkov</u>	Israel	
1P044	317570-1	Oct.20&	20:00	P	<b>Kinetic Studies on Complexation Reactions of Lithium Ion with Cryptand C211 in Ionic Liquids by Using <sup>7</sup>Li NMR - Comparisons with Corresponding</b>	Japan	



						<b>Reactions in Organic Solvents</b> -(Research Lab. for Nuclear Reactors, Tokyo Inst. of Technology) <u>Atsushi Shirai</u> , Yasuhisa Ikeda		
1P045	321988-1	Oct.20&	19:00	P		<b>Metal Extraction by an Electrochemical Reduction in Molten LiCl-Li<sub>2</sub>O</b> (Korea Atomic Energy Research Inst.) <u>Sang Mun Jeong</u> , Byung Heung Park, Jin-Mok Hur, Seon Gil Kwon	Korea	
<b>Session 5 - Catalysis Synthesis</b>								
Oral Presentation								
1C164	316693-3	Oct.20	16:40	C		<b>Synthesis of Catalytical Coatings of Mo<sub>2</sub>C and Co-Mo, Ni-Mo Double Carbides for the Water-Gas Shift Reaction</b> ( <sup>1</sup> Inst. of Chemistry, Kola Science Centre RAS, <sup>2</sup> Lab. of Chemical Reactor Engineering, Eindhoven Univ. of Technology) <u>Sergey A. Kuznetsov</u> <sup>1</sup> , Anton R. Dubrovskiy <sup>1</sup> , Vladimir S. Dolmatov <sup>1</sup> , Evgeny V. Rebrov <sup>2</sup> , Jaap C. Schouten <sup>2</sup>	Russia	G. Maurer, T. Goto
Poster Session								
1P046	316714-1	Oct.20&	20:00	P		<b>Oxidative Decomposition of Volatile Aromatic Compounds with Silica-supported Ionic Liquid Phase V<sub>2</sub>O<sub>5</sub> Catalyst</b> (Tokyo Inst. of Technology, Chemical Resources Lab.) <u>Yuki Taniguchi</u> , Yuta Takaishi, Yoshikazu Makioka	Japan	Y. Iwadate,
1P047	317661-1	Oct.20&	19:00	P		<b>Hydroamination of Non-activated Olefins in Ionic Liquids Catalysed by Ni(II), Pd(II) and/or Pt(II) Salts in the Presence of Novel Ferrocenyl Ligands</b> (Universidad Nacional de Colombia, Departamento de Quimica) <u>Juan Manuel Sarria Toro</u> , Luca Fadini	Colombia	H. Zhu,
1P048	324539-1	Oct.20&	20:00	P		<b>Study of Alkylization Reaction Catalyzed by Bronsted Acidic Ionic Liquids</b> (Beijing Inst. of Petrochemical Technology) <u>Yufeng Yi</u> , Fuchen Ding, Junbin Gao, Guangzhou Jin	China	Y. Katayama,
1P049	316273-1	Oct.20&	19:00	P		<b>Ionic Liquids: Positive Effects in the Oxidative Cleavage of Vic-Diols Catalyzed by Manganese(III) Complexes</b> (Universidad Nacional de Colombia, Dept. of Chemistry) <u>Luca Fadini</u> , Sofia Riano, Daniel Fernandez	Colombia	H. Matsuura,
1P050	311871-1	Oct.20&	20:00	P		<b>Fundamental Gasification Characteristics of Soy Sauce Cake by Molten Salts</b> (Osaka Prefectural College of Technology) <u>Kimihiko Sugiura</u> , <u>Kouki Isetani</u> , Keishi Minami	Japan	N. Hirai
<b>Session 6 - Corrosion, Electrodeposition</b>								
Oral Presentation								
4B090	316760-2	Oct.23	9:00	B		<b>Electrodeposition of Al from Saturated NdCl<sub>3</sub>-AlCl<sub>3</sub>-EMIC Ionic Liquid</b> (East China Univ. of Science and Technology) <u>Bing Li</u>	China	P. Taxil,
4B092	316573-1	Oct.23	9:20	B		<b>Electrodeposition of Al on Magnesium Alloy from Aluminum Chloride/1-ethyl-3-methylimidazolium Chloride Ionic Liquids</b> ( <sup>1</sup> National Cheng Kung Univ., Dept. of Materials Science and Engineering, <sup>2</sup> National Cheng Kung Univ., Dept. of Chemistry) <u>Jeng-Kuei Chang</u> <sup>1</sup> , Su-Yau Chen <sup>1</sup> , Wen-Ta Tsai <sup>1</sup> , Ming-Jay Deng <sup>2</sup> , I-Wen Sun <sup>2</sup>	Taiwan	M. Matsunaga,
4B094I	318123-1	Oct.23	9:40	B		<b>[Invited Lecture] Electrodeposition of Al-Mn Alloy from BMP-TFSI Ionic Liquid</b> (Kyushu Inst. of Technology, Dept. of Applied Chemistry) <u>Morio Matsunaga</u> , Masashi Noda	Japan	T. Nohira
4B101K	319988-1	Oct.23	10:10	B		<b>[Keynote Lecture] Electroreduction Processes for Alloys Electrowinning</b> (Univ. Paul Sabatier, Laboratoire de Genie Chimique) <u>Pierre Taxil</u> , Laurent Massot, Pierre Chamelot, Christophe Nourry, Mathieu Gibilaro	France	
4B104I	326333-1	Oct.23	10:30	B		<b>[Invited Lecture] An Acid-base Reaction for Fused LiCl-41m/oKCl Melt Equilbrated with Gas Atmospheres Containing HCl, H<sub>2</sub>O, and O<sub>2</sub> at 873K</b> (Sumitomo Metal Industries, Ltd.) <u>Nobuo Otsuka</u>	Japan	
4B111	323486-1	Oct.23	11:00	B		<b>Electrodeposition of Molybdenum and Tungsten from EMPyrCl-ZnCl<sub>2</sub> melt at 150°C</b> ( <sup>1</sup> Kyoto Univ., Graduate School of Energy Science, <sup>2</sup> Sumitomo Electric Industries, Ltd., <sup>3</sup> Sumitomo Electric Industries, Ltd., <sup>4</sup> Sumitomo Electric Industries, Ltd.) <u>Toshiyuki Nohira</u> <sup>1</sup> , Kan Kitagawa <sup>1</sup> , Rika Hagiwara <sup>1</sup> , Koji Nitta <sup>1</sup> , Masatoshi Majima <sup>2</sup> , Shinji Inazawa <sup>2</sup>	Japan	
4B113	359577-	Oct.23	11:30	B		<b>Electrodeposition from Air and Water Stable Ionic</b>	Germany	

	1					<b>Liquids: Prospects and Challenges</b> (Clausthal Univ. of Tech.) <u>Natalia Borisenko</u> , Sherif Zein El Abedi, Frank Endres		
4B130	316693-1	Oct.23	13:00	B		<b>Synthesis of Functional Coatings and Nanomaterials in Molten Salts</b> (Inst. of Chemistry, Kola Science Centre RAS) <u>Sergey A. Kuznetsov</u>	Russia	N. Borisenko,
4B132	315743-1	Oct.23	13:20	B		<b>Electrodeposition of Bi-Sb-Te Alloy in Molten Salt</b> (Hokkaido Univ.) <u>Mikito Ueda</u> , Shoh Tsuchiya, Toshiaki Ohtsuka	Japan	M. Ueda
4B134	322242-1	Oct.23	13:40	B		<b>Electrodeposition of Silicon in Intermediate-Temperature Molten Salts</b> (Dept. of Fundamental Energy Science, Graduate School of Energy Science, Kyoto Univ.) <u>Yusaku Nishimura</u> , Toshiyuki Nohira, Rika Hagiwara	Japan	
4B140	334324-2	Oct.23	14:00	B		<b>Development of Inert Anodes for the Electrolysis of CaCl<sub>2</sub>-CaO Melts</b> (Dept. of Materials Science and Metallurgy, Univ. of Cambridge, UK, <sup>2</sup> Dept. of Materials Science and Metallurgy, Univ. of Cambridge, UK) <u>Kamal Tripuraneni Kilby</u> , <u>Derek J Fray</u>	UK	
4B142	352538-1	Oct.23	14:20	B		<b>Development of Inert Anodes for the Electro-Winning of Aluminium</b> (Univ. of Leeds, Inst. for Materials Research) <u>Xiaobing Yang</u> , Abhishek Lahiri, Animesh Jha	UK	
4B144	322070-2	Oct.23	14:40	B		<b>Polarization Corrosion of the Iron-Nickel Alloy in Na<sub>3</sub>AlF<sub>6</sub>-Based System Molten Salt</b> ( <sup>1</sup> College of Materials and Metallurgy, Northeastern Univ., <sup>2</sup> College of Science, Northeastern Univ.) <u>Zhongning Shi</u> <sup>1</sup> , <u>Xingliang Zhao</u> <sup>1</sup> , <u>Junli Xu</u> <sup>2</sup> , <u>Zhaowen Wang</u> <sup>1</sup> , <u>Bingliang Gao</u> <sup>1</sup>	China	
4B152	323757-1	Oct.23	15:20	B		<b>Corrosion Behavior of TiB<sub>2</sub>-Based Ceramic in Molten Salt System of NdF<sub>3</sub>-LiF-Nd<sub>2</sub>O<sub>3</sub> and Neodymium</b> (Northeastern Univ., School of Materials and Metallurgy) <u>Zhaowen Wang</u> , <u>Xudong Luo</u> , <u>Xianwei Hu</u> , <u>Kaiyu Zhang</u> , <u>Zhongning Shi</u> , <u>Bingliang Gao</u> , <u>Ganfeng Tu</u>	China	Z. Wang,
4B154	317166-1	Oct.23	15:40	B		<b>Corrosion of Nickel-base Alloys in Molten Fluoride Salts</b> ( <sup>1</sup> EDF R&D Les Renardières - Dpt MMC, <sup>2</sup> CEA Saclay - DEN/DANS/DPC/SCCME, <sup>3</sup> Laboratoire de Génie Chimique - UMR 5503 - Université Paul Sabatier) <u>Stephanie Fabre</u> <sup>1</sup> , <u>Celine Cabet</u> <sup>2</sup> , <u>Laurent Cassayre</u> <sup>3</sup> , <u>Pierre Chamelot</u> <sup>3</sup> , <u>Jorgen Finne</u> <sup>1</sup> , <u>Laurent Massot</u> <sup>3</sup> , <u>Didier Noel</u> <sup>1</sup>	France	A. Kajinami
4B162	321658-1	Oct.23	16:20	B		<b>Electrochemical Preparation of Mg-Li-Y Alloys by Coelectrodeposition from MgCl<sub>2</sub>-LiCl-KCl-KF-Y<sub>2</sub>O<sub>3</sub> Melts</b> (College of Materials Science and Chemical Engineering, Harbin Engineering Univ.) <u>Milin Zhang</u> , <u>Yongde Yan</u> , <u>Wei Han</u> , <u>Yun Xue</u> , <u>Liyi He</u>	China	
4B164	322541-1	Oct.23	16:40	B		<b>Electrochemical Preparation of Mg-Li-Sm Alloys by Coelectrodeposition in Molten Salts</b> (College of Materials Science and Chemical Engineering, Harbin Engineering Univ.) <u>Wei Han</u> , <u>Yang Tian</u> , <u>Milin Zhang</u> , <u>Yongde Yan</u>	China	
4B170	334339-1	Oct.23	17:00	B		<b>Ionic Liquid Microemulsions as Novel Electrolytes to Electrosynthesize Conducting Polymers</b> ( <sup>1</sup> Jiangxi Science and Technology Normal Univ., <sup>2</sup> Shandong Univ.) <u>Jingkun Xu</u> <sup>1</sup> , <u>Bin Dong</u> <sup>1</sup> , <u>Liqiang Zheng</u> <sup>2</sup>	China	
Poster Session								
1P052	317553-1	Oct.20&	20:00	P		<b>Application of Diffusion Aluminide Coatings of Titanium and Its Alloys during Mechanochemical Activation of Surface</b> (Inst. of High-Temperature Electrochemistry, Ural Branch RAS) <u>Kirill R. Karimov</u> , <u>Yakov B Chernov</u> , <u>Vitaliy V Chebykin</u>	Russia	Y. Iwadate,
1P054	311467-1	Oct.20&	20:00	P		<b>Corrosion of Si<sub>3</sub>N<sub>4</sub> - Ceramics in High Temperature Media</b> ( <sup>1</sup> Slovak Academy of Sciences, Institute of Inorganic Chemistry, <sup>2</sup> VILA-Joint glass center of the IIC SAS TnUAD and RONA, <sup>3</sup> Slovak Academy of Sciences, Inst. of Material Research) <u>Michal Korenko</u> <sup>1</sup> , <u>Miroslav Hnatko</u> <sup>1</sup> , <u>Viera Petruskova</u> <sup>1</sup> , <u>Zoltan Lences</u> <sup>1</sup> , <u>Pavol Sajgalik</u> <sup>1</sup> , <u>Dusan Galusek</u> <sup>1</sup> , <u>Robert Klement</u> <sup>2</sup> , <u>Jan Dusza</u> <sup>3</sup> , <u>Monika Kasiarova</u> <sup>3</sup>	Slovakia	H. Zhu,
1P056	347775-1	Oct.20&	20:00	P		<b>Electrochemical Preparation of Mg-Li-Ca Alloys by Coelectrodeposition from KCl-LiCl-MgCl<sub>2</sub>-CaCl<sub>2</sub> Melts</b> (College of Materials Science and Chemical Engineering, Harbin Engineering Univ.) <u>Yongde Yan</u> , <u>Milin</u>	China	Y. Katayama,

					Zhang, Wei Han, Yun Xue, Liyi He		
1P057	322541-2	Oct.20&	19:00	P	<b>Electrochemical Preparation of Mg-Li-Ce-La Alloys by Coelectrodeposition in Molten Salts</b> (College of Materials Science and Chemical Engineering, Harbin Engineering Univ.) <u>Wei Han</u> , Yanxia Zhang, Milin Zhang, Yongde Yan	China	H. Matsuura,
1P059	317101-1	Oct.20&	19:00	P	<b>In-situ X-ray Diffraction Measurements of Electrochemical Process in Molten Salt</b> ( <sup>1</sup> Center for Environmental Management, Kobe Univ., <sup>2</sup> Graduate School of Engineering, Kobe Univ.) <u>Akihiko Kajinami</u> <sup>1</sup> , Mariko Takagi <sup>2</sup> , Makoto Hosokawa <sup>2</sup> , Shigehito Deki <sup>2</sup>	Japan	N. Hirai
1P060	317151-2	Oct.20&	20:00	P	<b>The Investigation of Joint Electroreduction Sm, Co-ions and Boron in Halide Melts</b> (Kabardino-Balkarian State Univ., Dept. of Inorganic and Physical Chemistry) <u>Radina A. Karashaeva</u> , Hasbi B. Kushkhov, <u>Murat R. Tlenkopachev</u> , Madzera K. Vindizheva, Azida H. Kyarova	Russia	
1P061	316224-3	Oct.20&	19:00	P	<b>Electrochemical Behavior of Vanadium Species in NaCl-KCl Based Melts</b> (Ural State Technical Univ. - UPI, Dept. of Rare Metals and Nanomaterials) <u>Mikhail V. Chernyshov</u> , Ilya B. Polovov, Boris D. Vasin, Vladimir A. Volkovich, Oleg I. Rebrin	Russia	
1P062	357508-1	Oct.20&	20:00	P	<b>Electrodeposition of Nb<sub>3</sub>Sn Alloy Film from Basic NbCl<sub>5</sub>-SnCl<sub>2</sub>-EMIC Ambient-temperature Molten Salt Melt</b> ( <sup>1</sup> Iwate Univ., <sup>2</sup> Tokyo Univ. of Science, <sup>3</sup> Tokyo University of Science, Tomino, Oshamanbe, <sup>4</sup> Zhejiang University) <u>Kouichi Uj</u> <sup>1,2</sup> , Hirokazu Sakai <sup>2</sup> , Ken Takeuchi <sup>3</sup> , Guo-ping Ling <sup>4</sup> , Nobuyuki Koura <sup>2</sup>	Japan	
1P063	316693-2	Oct.20&	19:00	P	<b>Novel Niobium and Tantalum Compounds Produced by Electrochemical Synthesis</b> ( <sup>1</sup> Inst. of Chemistry, Kola Science Centre RAS, <sup>2</sup> Baikov Inst. of Metallurgy and Materials Science, <sup>3</sup> Ecole Polytechnique, Mecanique Energetique, Technopole de Chateau Gombert) <u>Sergey A. Kuznetsov</u> <sup>1</sup> , Vladimir V. Grinevitch <sup>2</sup> , Alla V. Arakcheeva <sup>2</sup> , Marcelle Gaune-Escard <sup>3</sup>	Russia	
1P064	317312-1	Oct.20&	20:00	P	<b>Morphology Change of Silver Deposit from BMI-TFSI Ionic Liquid</b> (Div. of Chemistry and Biochemistry, Graduate School of Natural Science and Technology, Okayama Univ.) <u>Hidetaka Hayashi</u> , <u>Tomomi Muramami</u> , Yoshihisa Kogo, Akira Kishimoto	Japan	
1P065	314492-1	Oct.20&	19:00	P	<b>Cu-Sn Alloy Metallization of Polymer Substrate through Reduction-Diffusion Method Using Ionic Liquid Bath at Medium-Low Temperatures</b> (Kyoto Univ., Dept. of Materials Science and Engineering) <u>Akira Ito</u> , Kuniaki Murase, Takashi Ichii, Hiroyuki Sugimura	Japan	
1P066	322070-1	Oct.20&	20:00	P	<b>Preparation and Properties of Al-Mg Electrodeposited Coating</b> ( <sup>1</sup> College of Science, Northeastern Univ., <sup>2</sup> College of Materials & Metallurgy, Northeastern Univ.) <u>Junli Xu</u> <sup>1</sup> , Zhongning Shi <sup>2</sup> , Zhaowen Wang <sup>2</sup>	China	
1P067	311779-1	Oct.20&	19:00	P	<b>The Electrodeposition of Conductive and Electrochromic Carbazole Films in the Hydrophobic Room-Temperature Ionic Liquids</b> (Kaohsiung Medical Univ., Faculty of Medicinal and Applied Chemistry) <u>Po-Yu Chen</u> , Ding-Zuan Zhuang	Taiwan	
1P068	354782-1	Oct.20&	20:00	P	<b>Effects of Water on the Aluminum Electrodeposition in BMP-TFSI Ionic Liquid</b> (Kyushu Inst. of Technology) <u>Hisakazu Murayama</u> , Kouichi Yoshimura, Keita Miyahara, Morio Matsunaga	Japan	
1P069	315897-1	Oct.20&	19:00	P	<b>Electrodeposition of Ni-Cu Alloys in an Air and Water Stable Room Temperature Ionic Liquid</b> (Dept. of Chemistry, National Cheng Kung Univ.) <u>I-Wen Sun</u>	Taiwan	
1P070	323272-1	Oct.20&	20:00	P	<b>EQCM Measurement of Sn(II) / Sn Reaction in Imide-Type Room-Temperature Ionic Liquid</b> (Keio Univ., Faculty of Science and Technology, Dept. of Applied Chemistry) <u>Nobuyuki Serizawa</u> , Naoki Tachikawa, Yasushi Katayama, Takashi Miura	Japan	

Session 7 - Surface, Interface, Nanoscale

Oral Presentation

4C133I	337406-1	Oct.23	13:30	C	<b>[Invited Lecture] Evaluation of Physico-chemical Properties of Moten Salt Mixtures</b> (Osaka Univ.) <u>Toshihiro Tanaka</u>	Japan	S. Kuwabata,
4C140	356163-1	Oct.23	14:00	C	<b>Development of New Electron Microscopy Techniques Using Ionic Liquid</b> ( <sup>1</sup> Osaka Univ., Dept. of	Japan	P. Lozano,

					Applied Chemistry, Graduate School of Engineering, <sup>2</sup> Nagoya Univ., Dept. of Crystalline Materials Science, Graduate School of Engineering) <u>Susumu Kuwabata</u> <sup>1</sup> , Satoshi Arimoto <sup>1</sup> , Hitoshi Kageyama <sup>1</sup> , Tsukasa Torimoto <sup>2</sup>		
4C142	315077-1	Oct.23	14:20	C	<b>Immobilization of Ionic Liquid-Stabilized Gold and Silver Nanoparticles on Silicon: A Self-Assembly Approach</b> ( <sup>1</sup> Kyoto Univ., Dept. of Materials Science and Engineering, <sup>2</sup> Dept. of Crystalline Materials Science, Graduate School of Eng., Nagoya Univ., <sup>3</sup> EcoTopia Science Inst., Nagoya Univ., <sup>4</sup> Japan Science and Technology Agency, CREST) <u>Om P. Khatri</u> <sup>1</sup> , Kosaku Adachi <sup>1</sup> , Kuniaki Murase <sup>1</sup> , Ken-ichi Okazaki <sup>2</sup> , Tsukasa Torimoto <sup>2</sup> , Nobuo Tanaka <sup>4</sup> , Susumu Kawabata <sup>3</sup> , Hiroyuki Sugimura <sup>1</sup>	Japan	T. Tanaka
4C144	314471-1	Oct.23	14:40	C	<b>Additive Free Electrodeposition of Nanostructure Sn in the Water and Air Stable 1-ethyl-3-methylimidazolium-dicyanamide Room Temperature Ionic Liquid</b> (Dept. of Chemistry, National Cheng Kung Univ.) <u>Ming-Jay Deng</u>	Taiwan	
4C152	314473-1	Oct.23	15:20	C	<b>Experimental and Simulation Studies of Room Temperature Ionic Liquids (RTILs) Confined at Interfacial Space</b> (Shanghai Inst. of Applied Physics, Chinese Academy of Sciences) <u>Sha Maolin</u> , Wu Guozhong, Zhang Fuchun, Zhang Yi, Fang Haiping	China	
4C154	347476-1	Oct.23	15:40	C	<b>Emission of Ions from Electrically Stressed Ionic Liquid Menisci in Vacuum: Theory and Applications</b> (Massachusetts Inst. of Technology, Dept. of Aeronautics and Astronautics) Nanako Takahashi, Anthony N. Zorzoz, <u>Paulo C. Lozano</u>	USA	
4C160	354974-1	Oct.23	16:00	C	<b>Phase Transition of Room Temperature Ionic Liquids inside Carbon Nanotubes</b> ( <sup>1</sup> Nagoya Univ., Shanghai Inst. of Applied Physics) <u>Chen Shimou</u> <sup>1</sup> , Guozhong Wu <sup>2</sup> , Hisanori Shinohara <sup>1</sup>	Japan, China	
4C162	330092-2	Oct.23	16:20	C	<b>Hot corrosion studies on Friction Welded dissimilar metals of AISI 4140 and AISI 304 under air and molten salt mixture of Na<sub>2</sub>SO<sub>4</sub> + 50% NaCl</b> ( <sup>1</sup> VIT Univ., <sup>2</sup> IIT Roorkee, <sup>3</sup> DMRL Hyderabad) <u>Arivazhagan Natarajan</u> <sup>1</sup> , Surendra Singh <sup>2</sup> , Satya Prakash <sup>2</sup> , G. M. Reddy <sup>3</sup>	India	
Poster Session							
1P073	315077-2	Oct.20&	19:00	P	<b>Nanoparticles Stabilization and Interaction with BMI-PF<sub>6</sub> Ionic Liquid</b> ( <sup>1</sup> Kyoto Univ., Dept. of Materials Science and Engineering, <sup>2</sup> Dept. of Crystalline Materials Science, Graduate School of Eng., Nagoya Univ., <sup>3</sup> EcoTopia Science Inst., Nagoya Univ., <sup>4</sup> Japan Science and Technology Agency, CREST) <u>Om P. Khatri</u> <sup>1</sup> , Kosaku Adachi <sup>1</sup> , Kuniaki Murase <sup>1</sup> , Ken-ichi Okazaki <sup>2</sup> , Tsukasa Torimoto <sup>2</sup> , Nobuo Tanaka <sup>4</sup> , Susumu Kawabata <sup>3</sup> , Hiroyuki Sugimura <sup>1</sup>	Japan	Y. Iwadate,
1P076	317629-1	Oct.20&	0.792	P	<b>Extraction of copper in ZSM-5 with a RTIL</b> (Dept. of Environmental Science and Engineering, Tunghai Univ.) <u>H. Paul Wang</u> , <u>Hsin-Liang Huang</u> , Yu-Ling Wei	Taiwan	H. Zhu,
1P077	315232-1	Oct.20&	19:00	P	<b>Electrochemical Behavior of Ferrocenylthiol / Alkanethiol Binary SAMs in Ionic Liquid, TMHA-Tf<sub>2</sub>N</b> (Kyoto Univ., Dept. of Material Science and Engineering) <u>Qing-Wei Sun</u> , Kuniaki Murase, Takashi Ichii, Hiroyuki Sugimura	Japan	Y. Katayama,
1P078	322966-1	Oct.20&	20:00	P	<b>In-situ EC-AFM Observation upon Decay of Nano-Islands on Au(100) Electrode in 1-Butyl-3-Methyl-Imidazolium Room Temperature Molten Salt</b> (Osaka Univ., Div. of Materials and Manufacturing Science) <u>Nobumitsu Hirai</u> , Tomohiko Yokogawa, Shohei Wada, Toshihiro Tanaka	Japan	H. Matsuura,
1P079	311467-2	Oct.20&	19:00	P	<b>Quadrant Nanotubes Made from Deeply Undercooled Cryolite - Alumina Melts</b> ( <sup>1</sup> Slovak Academy of Sciences, Inst. of Inorganic Chemistry, <sup>2</sup> Slovak Academy of Sciences, Inst. of Electrical Engineering, <sup>3</sup> Slovak Academy of Sciences, Inst. of Physics, Slovak Academy of Sciences, <sup>4</sup> Univ. of Zaragoza, Instituto Universitario de Nanociencia de Aragon, <sup>6</sup> CSIC-Univ. of Zaragoza, Instituto de Ciencia de Materiales de	Slovakia	N. Hirai

						Aragon) <u>Michal Korenko</u> <sup>1</sup> , Marian Kucharik <sup>1</sup> , Jozef Vincenc Obona <sup>2</sup> , Dusan Janickovic <sup>3</sup> , Rosa Cordoba <sup>4</sup> , Jose Ma De Teresa <sup>5</sup>		
1P080	322650-1	Oct.20&21	20:00	P		<b>Effect of Oxygen Content in Melt on Features of Sodium-Reduced Tantalum Powders</b> (Inst. of Chemistry Kola SC RAS) <u>Valery N. Kolosov</u> , Veniamin M. Orlov, Sofia M. Masloboeva, Marina N. Miroshnichenko, Tatyana Yu. Prokhorova	Russia	
<b>Session 8 - Industrial Electrolysis</b>								
Oral Presentation								
4A112	348438-1	Oct.23	11:20	A		<b>Aluminum electrolysis at lower temperature of 750-900°C - in Memory of Zhuxian Qiu</b> (Northeastern Univ., College of Materials and Metallurgy) <u>Bingliang Gao</u> , Zhaowen Wang, Zhongning Shi	China	H. Zhu,
4A114	358874-1	Oct.23	11:40	A		<b>Approaches of the Industrial Electrolysis of Rare Earth Metals</b> ( <sup>1</sup> Santoku Corp., <sup>2</sup> Tohoku Univ.) <u>Eiji Nakamura</u> <sup>1,2</sup> , Osamu Takeda <sup>2</sup> , Yuzuru Sato <sup>2</sup>	Japan	R. O. Suzuki
4A130	316195-1	Oct.23	13:00	A		<b>Estimation of Current Efficiency and Energy Consumption in Hall-Heroult Cell Based on the Electronic Conduction in Cryolite Alumina Melts</b> ( <sup>1</sup> AGH-Univ. of Science and Technology, Dept. of Non-ferrous Metals, <sup>2</sup> Norwegian Univ. of Science and Technology, Dept. of Material Science) <u>Stanislaw Pietrzyk</u> <sup>1</sup> , Geir Martin Haarberg <sup>2</sup>	Poland	
4A132	317143-1	Oct.23	13:20	A		<b>High Temperature NMR Approach of Impurities Effect in Aluminum Electrolysis</b> ( <sup>1</sup> CNRS CEMHTI, <sup>2</sup> Inst. of Inorganic Chemistry, Slovak Academy of Sciences, <sup>3</sup> Dept. of Materials Technology, NTNU) <u>Catherine Bessada</u> <sup>1</sup> , Aydar Rakhmatullin <sup>1</sup> , Abdellatif Elbakkali <sup>1</sup> , Frantisek Simko <sup>2</sup> , Martin Keppert <sup>3</sup>	France	
4A134	317443-1	Oct.23	13:40	A		<b>Direct Reduction of Liquid V<sub>2</sub>O<sub>5</sub> in Molten CaCl<sub>2</sub></b> ( <sup>1</sup> Guraduate school of engineering, Hokkaido Univ., <sup>2</sup> Guraduate school of engineering, Hokkaido Univ.) <u>Yuichi Oka</u> <sup>1</sup> , Ryosuke O Suzuki <sup>2</sup>	Japan	
4A140	317619-1	Oct.23	14:00	A		<b>Calciothermic Reduction of TiCl<sub>4</sub> Gas by Electrolysis of CaO in CaCl<sub>2</sub> Melt</b> ( <sup>1</sup> Dept. Materials Science, Hokkaido Univ., <sup>2</sup> Dept. Energy Science and Technology, Kyoto Univ.) <u>Ryosuke O. Suzuki</u> <sup>1</sup> , Takayuki Naito <sup>2</sup>	Japan	
4A142	354801-1	Oct.23	14:20	A		<b>[Invited Lecture] Anode Process of Carbon Electrode in Molten Fluorides</b> (Univ. of Science and Technology) Zuoju Huang, Guihua Wang, Zhanmin Cao, <u>Hongmin Zhu</u>	China	
4A152	327176-1	Oct.23	15:20	A		<b>Electrochemical Deoxidation of Mixed Metal Oxides in Molten Calcium Chloride to Produce Aluminium-scandium Alloys</b> (Norwegian Univ. of Science and Technology) <u>Geir Martin Haarberg</u> , Sigurdur Einarsson, Jens Fladerer, Knut Arne Paulsen	Norway	G. M. Haarberg,
4A154	316547-1	Oct.23	15:40	A		<b>Production of Metal Nanoparticles by Plasma-Induced Cathodic Discharge Electrolysis and Novel Continuous Production System</b> ( <sup>1</sup> Doshisha Univ., Dept. of Applied Chemistry, <sup>2</sup> fmSEP Co., Ltd., R&D Lab., <sup>3</sup> Doshisha Univ., Dept. of Environmental Systems Science) <u>Manabu Tokushige</u> <sup>1</sup> , Tokujiro Nishikiori <sup>2</sup> , Yasuhiko Ito <sup>3</sup>	Japan	T. Takenaka
4A160	316760-1	Oct.23	16:00	A		<b>Electrochemical Reduction Mechanism of FeCl<sub>3</sub> in Molten Chloride Melts</b> (East China Univ. of Science and Technology) <u>Bing Li</u>	China	
4A162	316058-1	Oct.23	16:20	A		<b>Electrochemical Behavior of a Boron-doped Diamond Electrode in Molten Salts Containing Oxide Ion</b> (Kyoto Univ., Dept. of Fundamental Energy Science) <u>Yuya Kado</u> , Takuya Goto, Rika Hagiwara	Japan	
4A164	322930-1	Oct.23	16:40	A		<b>Studies on the Anodic Dissolution Behavior of TiC<sub>x</sub>O<sub>y</sub></b> (School of Metallurgical and Ecological Engineering, Univ. of Science and Technology Beijing) <u>Xiaohui Ning</u> , Henyang Liu, Hongmin Zhu	China	
4A170	323332-1	Oct.23	17:00	A		<b>Anodic Dissolution and Chemical Reduction of Noble Metals in LiCl-KCl Melt</b> (Toyohashi Univ. of Technology) <u>Toshihide Takenaka</u> , Yoshifumi Hashigaya, Keisuke Iwasa	Japan	
Poster Session								
1P084	317367-1	Oct.20&21	20:00	P		<b>Ionic Liquid-Based Electrolytes with Copper Nanoparticles for Dye-Sensitized Solar Cells</b> ( <sup>1</sup> Dept.	Taiwan	Y. Iwadate,

					of Chemistry, National Cheng Kung Univ., <sup>2</sup> Sustainable Environment Research Center and Dept. of Environmental Engineering, National Cheng Kung Univ.) <u>Fu-Lin Chen</u> <sup>1</sup> , Fu-Lin Chen <sup>1</sup> , H. Paul Wang <sup>2</sup> , I-Wen Sun <sup>1</sup> , Chien-Hua Huang <sup>2</sup>		
1P085	316903-1	Oct.20&	19:00	P	<b>Electrodeposition of Tungsten from a Li<sub>2</sub>WO<sub>4</sub>-Na<sub>2</sub>WO<sub>4</sub>-K<sub>2</sub>WO<sub>4</sub> Melt</b> ( <sup>1</sup> Electronics & Materials R&D Labs, Sumitomo Electric Industries, Ltd., <sup>2</sup> Dept. of Fundamental Energy Science, Graduate School of Energy Science, Kyoto Univ.) <u>Koji Nitta</u> <sup>1</sup> , Masatoshi Majima <sup>1</sup> , Shinji Inazawa <sup>1</sup> , Toshiyuki Nohira <sup>2</sup> , Rika Hagiwara <sup>2</sup>	Japan	H. Zhu,
1P086	317581-2	Oct.20&	20:00	P	<b>Liquidus Temperatures in System NaF-KF-AlF<sub>3</sub> with Low Cryolite Ratio</b> (Inst. of High Temperature Electrochemistry) Elena Nikolaeva, Alexander Redkin, <u>Oleg Chemezov</u> , Yurii Zaikov, Alexei Apisarov, Alexander Dedyukhin	Russia	Y. Katayama,
1P087	317581-1	Oct.20&	19:00	P	<b>Experimental 100A an Electrolyzer for Test Electrode and Constructional Materials at an Electrolysis of Aluminium in Break-in Period.</b> (Inst. of High Temperature Electrochemistry) <u>Oleg Chemezov</u> , Yuri Zaikov, Viktor Batuhtin, Nikolay Shurov	Russia	H. Matsuura,
1P088	317135-2	Oct.20&	20:00	P	<b>Research on Properties of SiC Coating Inert Anode for Aluminum Electrolysis</b> (Shandong Univ. of Technology, School of Chemical Engineering) Xiajin Yu, <u>Lipeng Zhang</u> , Yunhui Dong	China	N. Hirai
1P089	317135-1	Oct.20&	19:00	P	<b>Research on Properties of Al<sub>2</sub>O<sub>3</sub>-based Cermets Inert Anode</b> (School of Chemical Engineering, Shandong Univ. of Technology) <u>Lipeng Zhang</u> , Xianjin Yu, Yunhui Dong, Hanbing Liang	China	
1P090	317453-1	Oct.20&	20:00	P	<b>High Temperature NMR Description of CaF<sub>2</sub> Addition in Molten Cryolite Bath</b> (Conditions Extremes et Materiaux: Haute Temperature et Irradiation (CEMHTI) Orleans- France) <u>Abdellatif El Bakkali</u> , Aydar Rakhmatullin, Catherine Bessada	France	
1P092	317426-1	Oct.20&	20:00	P	<b>Current Density in OS Process for TiO<sub>2</sub> Reduction</b> (Graduate school of engineering, Hokkaido Univ.) <u>Keiichi Kobayashi</u> , Ryosuke O Suzuki, Yuichi Oka	Japan	
1P094	317510-1	Oct.20&	20:00	P	<b>Investigation and Development of Electrolysis Process to Produce Oxygen Alloyed Zr Metal Powder.</b> (Bochvar Inst. of Inorganic Materials) Valery N Bezumov, <u>Valery N Bezumov</u> , Alexander K Shikov, Alexander I Dunaev, Alexander A Kabanov	Russia	
1P095	316224-1	Oct.20&	19:00	P	<b>Vanadium Electrorefining in NaCl-KCl Based Melts</b> ( <sup>1</sup> Ural State Technical Univ. - UPI, Dept. of Rare Metals and Nanomaterials, <sup>2</sup> JSC Uralredmet) <u>Mikhail V. Chernyshov</u> <sup>1</sup> , Ilya B. Polovov <sup>1</sup> , Georgiy A. Nechkin <sup>1</sup> , Vladimir A. Volkovich <sup>1</sup> , Oleg I. Rebrin <sup>1</sup> , Alexandr N. Rylov <sup>2</sup>	Russia	
1P096	316299-1	Oct.20&	20:00	P	<b>Effects of Current Density and NH<sub>4</sub>F-concentration on Current Efficiency for NF<sub>3</sub> Formation Using Boron-doped Diamond Anode</b> ( <sup>1</sup> Doshisha Univ. , Dept. of Applied Chemistry, Graduate School of Engineering, <sup>2</sup> Permelec Electrode LTD.) <u>Akira Nishida</u> <sup>1</sup> , Atsushi Kobayashi <sup>1</sup> , Akimasa Tasaka <sup>1</sup> , Minoru Inaba <sup>1</sup> , Hiroyuki Omori <sup>1</sup> , Masaharu Uno <sup>2</sup> , Yoshinori Nishiki <sup>2</sup> , Tsuneto Furuta <sup>2</sup>	Japan	
1P097	316417-1	Oct.20&	19:00	P	<b>Electrolytic Synthesis of Perfluorotrimethylamine with Boron-doped Diamond Anode.</b> ( <sup>1</sup> Dept. of Applied Chemistry, Graduate School of Engineering, Doshisha Univ., <sup>2</sup> Technical Dept., Permelec Electrode Ltd.) <u>Makoto Shizuno</u> <sup>1</sup> , Kenta Nakanishi <sup>1</sup> , Minoru Inaba <sup>1</sup> , Masaharu Uno <sup>2</sup> , Yoshinori Nishiki <sup>2</sup> , Tsuneto Furuta <sup>2</sup> , Akimasa Tasaka <sup>1</sup>	Japan	

Session 9 - Fuel cells

Oral Presentation							
4A090K	317207-1	Oct.23	9:00	A	<b>[Keynote Lecture] Molten Carbonate Science for Varied Fuel Cells Devices</b> ( <sup>1</sup> Lab. of Electrochemistry & Analytical Chemistry, Ecole Nationale Supérieure de Chimie de Paris) <u>Michel Cassir</u> , Armelle Ringuède, Messaoud Benamira	France	K. Ota,
4A093K	338171-	Oct.23	9:30	A	<b>[Keynote Lecture] Molten Salt as Electrolyte for</b>	Japan	M. Cassir,

	1					<b>Electrochemical Energy Conversion</b> (Yokohama National Univ.) <u>Ken-ichiro Ota</u> , Koichi Matuzawa, Shigenori Mitsushima		
4A100317207-2		Oct.23	10:00	A		<b>Challenges for the Development of the Molten Carbonate Fuel Cells</b> <sup>(1</sup> Lab. of Electrochemistry & Analytical Chemistry, Ecole Nationale Supérieure de Chimie de Paris, <sup>2</sup> Laboratoire de Physico-Chimie des Surfaces, Ecole Nationale Supérieure de Chimie de Paris) <u>Michel Cassir</u> <sup>1</sup> , Michel Cassir <sup>1</sup> , Armelle Ringuede <sup>1</sup> , Valerie Albin <sup>1</sup> , Virginie Lair <sup>1</sup> , Anouk Galtayries <sup>2</sup>	France	S. Mitsushima
4A102322514-1		Oct.23	10:20	A		<b>NiO and LiNiO<sub>3</sub> Solubility in Li/Na Eutectic Carbonate with Rare-earth Oxide</b> (Yokohama National Univ.) <u>Koichi Matsuzawa</u> , Yoji Akinaga, Tohru Ujihara, Shigenori Mitsushima, Ken-ichiro Ota	Japan	
4A104311871-2		Oct.23	10:40	A		<b>Elucidation of an electrolyte volatilization behavior in MCFC by visualization technique</b> <sup>(1</sup> Osaka Prefectural College of Technology, <sup>2</sup> National Inst. of Advanced Industrial Science and Technology - Kansai) <u>Kimihiko Sugiura</u> <sup>1</sup> , Masatsugu Soga <sup>1</sup> , Makoto Yamauchi <sup>1</sup> , Kazumi Tanimoto <sup>2</sup>	Japan	
4A110322246-1		Oct.23	11:00	A		<b>Kinetics of Oxygen Reduction and Hydrogen Oxidation at [dema][TfO]/Pt</b> (Yokohama National Univ., Chemical Energy Lab.) Shigenori Mitsushima, Yoshitsugu Shinohara, Koichi Matsuzawa, Ken-ichiro Ota	Japan	

Session 10 - Batteries, Capacitors

Oral Presentation								
4C110315606-1		Oct.23	11:00	C		<b>Room Temperature Ionic Liquids Based on Quaternary Phosphonium Cations and Their Application to Lithium Secondary Batteries</b> (Nippon Chemical Industrial Co., Ltd.) <u>Katsuhiko Tsunashima</u> , Fumihiko Yonekawa, Masashi Sugiya	Japan	H. Matsumono, K. Tsunashima
4C112313687-1		Oct.23	11:20	C		<b>Electrochemical Compatibility of Room-Temperature Ionic Liquid Electrolytes and Carbon-type Electrodes for High-safety Lithium-ion Secondary Batteries</b> (Central Research Inst. of Electric Power Industry) <u>Shiro Seki</u> , Yo Kobayashi, Yasutaka Ohno, Yuichi Mita, Hajime Miyashiro	Japan	
4C130337123-1		Oct.23	13:00	C		<b>[Invited Lecture] Effect of Cationic Structure on Electrochemical and Physical Properties of Aliphatic Quaternary Ammonium Ionic Liquids Based on TFSA</b> (National Inst. of Advanced Industrial Science and Technology - Kansai) <u>Hajime Matsumoto</u> , Hikari Sakaebe, Kuniaki Tatsumi	Japan	

Poster Session

1P098355221-1		Oct.20&21	20:00	P		<b>Electrochemical Characterization of Lithium Ion Battery Containing Ionic Liquid Electrolytes Based on Bis(fluorosulfonyl) imide [FSI]</b> <sup>(1</sup> Faculty of Chemistry, Materials and Bioengineering, Kansai Univ., Dai-Ichi Kogyo Seiyaku Co., Ltd., <sup>2</sup> Faculty of Chemistry, Materials and Bioengineering, Kansai Univ., <sup>3</sup> Dai-Ichi Kogyo Seiyaku Co., Ltd.) <u>Toshinori Sugimoto</u> <sup>1</sup> , Yosuke Atsumi <sup>2</sup> , Norihisa Handa <sup>2</sup> , Michiyuki Kono <sup>3</sup> , Manabu Kikuta <sup>3</sup> , Eriko Ishiko <sup>3</sup> , Masashi Ishikawa <sup>2</sup>	Japan	Y. Iwadate, H. Zhu,
1P099317132-1		Oct.20&21	19:00	P		<b>Preparation of bcc Mg-Li-Al-Zn Alloy by Electrolysis in Molten Salt LiCl-KCl and the Alloy's Electrochemical Performance as Anode Material for Magnesium Batteries</b> (National Chung Hsing Univ., Dept. of Materials Science and Engineering) <u>Meng Chang Lin</u> , Jun Yen Uan	Taiwan	Y. Katayama,
1P100322365-1		Oct.20&21	20:00	P		<b>Photoelectrochemical Behavior of a Single Crystal n-TiO<sub>2</sub> Electrode in Ionic Liquids</b> (Keio Univ., Faculty of Science and Technology, Dept. of Applied Chemistry) <u>Saburo Koshizawa</u> , Yasushi Katayama, Takashi Miura	Japan	H. Matsuura,
1P101317190-1		Oct.20&21	19:00	P		<b>Ionic Liquids in Lithium-ion Batteries</b> <sup>(1</sup> Scientific Council for Complex Problems in Physics, Chemistry, and Biology at the Presidium of RAS, <sup>2</sup> Section of Applied Problems at the Presidium of RAS) <u>Evgeny A. Nizhnikovskiy</u> <sup>1</sup> , Sergey N. Matiunin <sup>2</sup> , Vladimir S. Poluboyarinov <sup>1</sup>	Russia	N. Hirai

Session 12 - Nuclear Energy

Oral Presentation								
3C112314676-1		Oct.22	11:20	C		<b>A New Energy System Suitable for the Sustainable Society: THORIMS-NES (Thorium Molten-Salt</b>	Japan	S. Delpech,

					<b>Nuclear Energy Synergetics) - Fuels and Radio-wastes</b> ( <sup>1</sup> Inst. of Sustainability Science, Kyoto Univ., <sup>2</sup> Dept. of Mechanical Engineering, Toyohashi Univ. of Technology, <sup>3</sup> International Thorium Molten-Salt Forum, Ibaraki, <sup>4</sup> International Thorium Molten-Salt Forum, Kanagawa) <u>Takashi Kamei</u> <sup>1</sup> , Koshi Mitachi <sup>2</sup> , Yoshio Kato <sup>3</sup> , Kazuo Furukawa <sup>4</sup>		
3C114	317471-1	Oct.22	11:40	C	<b>Neutronic and Radioactivity Assessment of the Non-moderated Thorium Molten Salt Reactor (TMSR-NM) Reprocessing Unit</b> ( <sup>1</sup> LPSC-IN2P3-CNRS/Universite Joseph Fourier/Grenoble INP, <sup>2</sup> Laboratoire d'Electrochimie et de Chimie Analytique (UMR 7575), Ecole Nationale Supérieure De Chimie de Paris) <u>Xavier Doligez</u> <sup>1</sup> , Daniel Heuer <sup>1</sup> , Elsa Merle-Lucotte <sup>1</sup> , Michel Allibert <sup>1</sup> , Sylvie Delpech <sup>2</sup> , Veronique Ghetta <sup>1</sup> , Christian Le Brun <sup>1</sup> , Gerard Picard <sup>2</sup>	France	R. Fujita
3C130K	317143-2	Oct.22	13:00	C	<b>[Keynote Lecture] Molten Salts Reactors: in situ NMR and EXAFS Description of the Oxides Influence in ThF<sub>4</sub> and ZrF<sub>4</sub> Based Fluoride Melts</b> ( <sup>1</sup> CNRS CEMHTI, <sup>2</sup> Research Lab. for Nuclear Reactors, Tokyo Inst. of Technology) <u>Catherine Bessada</u> <sup>1</sup> , olivier Pauvert <sup>1</sup> , Aydar Rakhmatullin <sup>1</sup> , Didier Zanghi <sup>1</sup> , Haruaki Matsuura <sup>2</sup>	France	
3C133K	356387-1	Oct.22	13:30	C	<b>[Keynote Lecture] Research and Development of Pyroprocessing Technology in Japan</b> (Central Research Institute of Electric Power Industry) <u>Tadashi Inoue</u> , Tadafumi Koyama, Munetaka Myochin, Yasuo Arai	Japan	
3C140K	338179-1	Oct.22	14:00	C	<b>[Keynote Lecture] Local Structure Analyses of Rare Earth Chloride - Alkali Chloride Systems: Approaches from Fundamentals to Pyrochemical Reprocessing</b> (Chiba Univ.) <u>Yasuhiko Iwadata</u>	Japan	
3C143I	319042-1	Oct.22	14:30	C	<b>[Invited Lecture] Optimization of Reprocessing Scheme for Innovative Molten Salt Reactor</b> (CNRS) <u>Sylvie Delpech</u> , Gerard Picard	France	
3C152	315575-2	Oct.22	15:20	C	<b>Evaluating Physical Properties of Molten Salt Reactor Fluoride Mixtures</b> ( <sup>1</sup> Inst. of High-Temperature Electrochemistry, <sup>2</sup> RRC- Kurchatov Inst., <sup>3</sup> Inst. of High-Temperature Electrochemistry) <u>Vladimir A. Khokhlov</u> <sup>1</sup> , Victor V. Ignatiev <sup>2</sup> , Valery K. Afonichkin <sup>3</sup>	Russia	C. Bessada,
3C154	317583-1	Oct.22	15:40	C	<b>Electrochemical Behaviours of ThF<sub>4</sub> and ZrF<sub>4</sub> in Molten Fluorides</b> (Univ. Paul Sabatier, Laboratoire de Genie Chimique) <u>Pierre Chamelot</u> , Laurent Massot, Pierre Taxil	France	Y. Iwadata
3C160	317541-1	Oct.22	16:00	C	<b>Actinides and Lanthanides Electrochemical Separations in Molten Fluoride Media</b> (Nuclear Research Inst., Rez plc, Dept. of fluorine chemistry) <u>Martin Straka</u> , Karolina Chuchvalcova Bimova, Radka Tulackova, Frantisek Lisy	Czech Republic	
3C162	317586-1	Oct.22	16:20	C	<b>Electrochemical Behaviour of Nitride Ions and Nitrogen Production in molten fluorides</b> (Univ. Paul Sabatier, Laboratoire de Genie Chimique) <u>Laurent Massot</u> , Pierre Chamelot, Pierre Taxil	France	
3C164	317521-1	Oct.22	16:40	C	<b>Hydrogen Diffusion and Hydrogen Isotopic Exchange on Molten Salts of Mixed Fluorides, Flibe (LiF+BeF<sub>2</sub>) or Flinak (LiF+NaF+KF)</b> ( <sup>1</sup> Kyushu Univ., <sup>2</sup> Kyushu Kyoritsu Univ.) <u>Satoshi Fukada</u> <sup>1</sup> , Yuki Edao <sup>1</sup> , Sho Yamaguchi <sup>1</sup> , Sei Ha Ko <sup>2</sup> , Yoshio Miyairi <sup>2</sup>	Japan	
3C170	317194-1	Oct.22	17:00	C	<b>In situ High Temperature NMR and EXAFS Study of Molten MF-ZrF<sub>4</sub>, (M=Li, Na, K) Systems</b> (CEMHTI/CNRS) <u>Olivier Pauvert</u> , Didier Zanghi, Aydar Rakhmatullin, Haruaki Matsuura, Catherine Bessada	France	
3C172	316871-1	Oct.22	17:20	C	<b>Development of Pyrochemical Process in Molten Salts Applied to the Radioactive Wastes from Nuclear Fuel Cycle Facilities</b> ( <sup>1</sup> Toshiba Corporation, Power & Industrial Systems Research & Development Center, <sup>2</sup> Toshiba Corporation, Isogo Engineering Center) <u>Reiko Fujita</u> <sup>1</sup> , Hitoshi Nakamura <sup>1</sup> , Koji Mizuguchi <sup>1</sup> , Kazuhiro Utsunomiya <sup>2</sup>	Japan	
3C174	345910-1	Oct.22	17:40	C	<b>Influence of Composition of Molten Salt Electrolyte, Temperatures and Time of Interaction for Reaction</b>	Russia	



					<b>of the Contact Exchange in Systems MCl-PbCl<sub>2</sub>-MeN</b> (Inst. of High-Temperature Electrochemistry Russian Academy of Sciences) Vladimir Ya. Kudyakov, <u>Lyudmila A. Yolshina</u> , Natalya G. Molchanova		
4C092	311106-1	Oct.23	9:20	C	<b>Electrochemical Study of Redox Reaction Yb(III) + e<sup>-</sup> = Yb(II) in Fused Equimolar NaCl-KCl</b> ( <sup>1</sup> Inst. of High-Temperature Electrochemistry of Russian Academy Science, <sup>2</sup> Research Inst. of Atomic Reactors) <u>Valeri V. Smolenski</u> <sup>1</sup> , Alena V. Novoselova <sup>1</sup> , Andrew L. Bowet <sup>1</sup> , Alexander G. Osipenko <sup>2</sup> , Michael V. Kormilitsyn <sup>2</sup>	Russia	H.-J. Im,
4C094	314566-1	Oct.23	9:40	C	<b>Determination of the Activity Coefficient of Americium in Liquid Aluminium by Electrochemical Methods</b> ( <sup>1</sup> CIEMAT, Nuclear Fission Div., High Level Waste Unit, <sup>2</sup> CEA, DEN /DRCP /SCPS /LPP) <u>Guadalupe De Cordoba</u> <sup>1</sup> , Laplace Annabelle <sup>2</sup> , Conocar Olivier <sup>2</sup> , Lacquement Jerome <sup>2</sup> , Caravaca Concepcion <sup>1</sup>	Spain	Y. Sakamura
4C100	317533-1	Oct.23	10:00	C	<b>Behavior of Americium in Pyrochemical Process of the Nitride Fuel Cycle</b> (Japan Atomic Energy Agency, Nuclear Science and Engineering Directorate) <u>Hirokazu Hayashi</u> , Hiroki Shibata, Mitsuo Akabori, Yasuo Arai, Kazuo Minato	Japan	
4C102	317451-1	Oct.23	10:20	C	<b>Effect of Alkali and Alkaline Earth Chloride Addition on Electrochemical Reduction of UO<sub>2</sub> in Molten LiCl</b> (Central Research Inst. of Electric Power Industry (CRIEPI)) <u>Yoshiharu Sakamura</u>	Japan	
4C104	324807-1	Oct.23	10:40	C	<b>Behavior of Europium Ions in Molten Salt Media According to a Variation of the Temperature</b> (Korea Atomic Energy Research Inst., Nuclear Chemistry Research Div.) <u>Hee-Jung Im</u> , Yong Joon Park, Young-Hwan Cho, Kyuseok Song	Korea	
<b>Poster Session</b>							
1P102	317356-1	Oct.20&	20:00	P	<b>Redox Equilibria of the U<sup>4+</sup>/U<sup>3+</sup> and U<sup>3+</sup>/U Couples in Molten LiCl-RbCl Eutectic</b> ( <sup>1</sup> Japan Atomic Energy Agency, Nuclear Fuel Cycle Engineering Laboratories, <sup>2</sup> Kyoto Univ., Research Reactor Inst., <sup>3</sup> Kyoto Univ., Factory of Agriculture, <sup>4</sup> Tohoku Univ., Inst. of Multidisciplinary Research for Advanced Materials) <u>Takayuki Nagai</u> <sup>1</sup> , Akihiro Uehara <sup>2</sup> , Toshiyuki Fujii <sup>2</sup> , Osamu Shirai <sup>3</sup> , Nobuaki Sato <sup>4</sup> , Hajimu Yamana <sup>2</sup>	Japan	Y. Iwadate,
1P104	315253-1	Oct.20&	20:00	P	<b>Reductive Extraction of Minor actinides from molten chloride into liquid gallium</b> ( <sup>1</sup> Kyoto Univ., Dept. of Nuclear Engineering, <sup>2</sup> Dept. of Materials Science, Japan Atomic Energy Agency) <u>Taro Toda</u> <sup>1</sup> , Taro Toda <sup>1</sup> , Takehiro Maruyama <sup>1</sup> , Kimikazu Moritani <sup>1</sup> , Hirotake Moriyama <sup>1</sup> , Hirokazu Hayashi <sup>2</sup>	Japan	H. Zhu,
1P105	316221-2	Oct.20&	19:00	P	<b>Tellurium Behaviour in Alkali Chloride Melts</b> (Ural State Technical Univ. - UPI, Dept. of Rare Metals and Nanomaterials) <u>Denis E. Aleksandrov</u> , Georgii K. Kabaev, Vladimir A. Volkovich, Boris D. Vasin, Ilya B. Polovov, Oleg I. Rebrin	Russia	Y. Katayama,
1P106	317106-1	Oct.20&	20:00	P	<b>Engineering-scale Demonstration of Electrorefining Process</b> (Central Research Inst. of Electric Power Industry) <u>Tsuyoshi Murakami</u> , Takatoshi Hijikata, Tadafumi Koyama	Japan	H. Matsuura,
1P107	314716-1	Oct.20&	19:00	P	<b>Evaluation of Phosphate Thermodynamic Properties for Spent Electrolyte Recycle</b> ( <sup>1</sup> Japan Atomic Energy Agency, <sup>2</sup> The Univ. of Tokyo, <sup>3</sup> Akita Univ.) <u>Hirohide Kofuji</u> <sup>1</sup> , Ippei Amamoto <sup>1</sup> , Masaru Yasumoto <sup>2</sup> , Yasushi Takasaki <sup>3</sup> , Munetaka Myochin <sup>1</sup> , Takayuki Terai <sup>2</sup>	Japan	N. Hirai
1P108	316975-1	Oct.20&	20:00	P	<b>Development of Pyrochemical Reprocessing Technology Based on Co-electrodeposition Method - XAFS Analysis</b> ( <sup>1</sup> Research Lab. for Nuclear Reactors, Tokyo Inst. of Technology, <sup>2</sup> JASRI, <sup>3</sup> JAEA) <u>Haruaki Matsuura</u> <sup>1</sup> , Norimasa Umesaki <sup>2</sup> , Hirohide Kofuji <sup>3</sup> , Munetaka Myochin <sup>3</sup>	France	
1P109	314777-1	Oct.20&	19:00	P	<b>Electronic Absorption Spectra of U(IV) in Molten LiCl-SrCl<sub>2</sub> and CsCl-SrCl<sub>2</sub></b> ( <sup>1</sup> Kyoto Univ., Research Reactor Inst., <sup>2</sup> Japan Atomic Energy Agency, Nuclear Fuel Cycle Engineering Laboratories, <sup>3</sup> Tohoku Univ., Inst. of Multidisciplinary Research For Advanced Materials,	Japan	

						<p><sup>4</sup>Central Research Inst. of Electric Power Industry, Nuclear Technology Research Lab.) <u>Toshiyuki Fujii</u><sup>1</sup>, Akihiro Uehara<sup>1</sup>, Takayuki Nagai<sup>2</sup>, Tack-Jin Kim<sup>1</sup>, Nobuaki Sato<sup>3</sup>, Yoshiharu Sakamura<sup>4</sup>, Hajimu Yamana<sup>1</sup></p>	
1P110	316221-1	Oct.20&	20:00	P	<p><b>A Spectroelectrochemical Study of Uranium(VI) Containing Chloride Melts</b>(<sup>1</sup>Ural State Technical Univ. - UPI, Dept. of Rare Metals and Nanomaterials, <sup>2</sup>Redston Trevor Consulting Ltd.) <u>Denis E. Aleksandrov</u><sup>1</sup>, Vladimir A. Volkovich<sup>1</sup>, Boris D. Vasin<sup>1</sup>, Timur K. Khabibullin<sup>1</sup>, Ilya B. Polovov<sup>1</sup>, Oleg I. Rebrin<sup>1</sup>, Trevor R. Griffiths<sup>2</sup></p>	Russia	
1P111	324807-2	Oct.20&	19:00	P	<p><b>In situ Measurements of f-d Transition Lines from Some Lanthanide Ions Dissolved in LiCl-KCl Melt at 450°C</b>(Nuclear Chemistry Research Div., Korea Atomic Energy Research Inst., <sup>2</sup>Nuclear Chemistry Research Div., Korea Atomic Energy Research Inst.) Young-Hwan Cho, Yong Joon Park, <u>Hee-Jung Im</u>, Kyuseok Song</p>	Korea	