

ISNT2017 & ISSNOX5 Program (Tentative)

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Aug. 27	Aug. 28		Aug. 29		Aug. 30	
Sunday	Monday		Tuesday		Wednesday	
	Room A	Room B	Room A	Room B	Room A	Room B
	Session A1		Session A5	Session B5	Session A9	Session B9
	8:45~10:30		8:45~10:30	8:45~10:15	8:45~10:30	8:45~10:30
			Coffee	Break		
	Session A2		Session A6	Session B6	Session A10	Session B10
	11:00~12:30		11:00~12:30	11:00~12:30	11:00~12:30	11:00~12:30
			Lunch Break	12:30~14:00		
	Session A3	Session B3	Session A7	Session B7		
	14:00~15:45	14:00~15:45	14:00~15:30	14:00~15:30	Session A11	
	Coffee Break			14:00~16:15		
Registration	Session A4	Session B4	Session A8	Session B8		
15:00~19:00	16:15~18:00	16:15~18:00	16:00~17:00	16:00~17:00		
Welcome			Poster	Session	Conferenc	e Banquet,
Party			– Room	C (1F) –	HOTEL MYST	AYS-Sapporo
17:00~19:00			17:00-	-19:00	Aspen, 18	:00~20:00

	Aug. 31, Thursday	Sept. 1, Friday	
	Workshop for Advanced Nitride		
	Noboribetsu		
Invited Lecture			
Oral Presentation : 15 min			
(Including both presentation and discussion)			

August 27 (Sunday)

15:00~19:00	Registration: Lobby (Frontier Research in Applied Sciences Building in Hokkaido Univ.)
17:00~19:00	Welcome Party: Restaurant Elm (Faculty House "Trillium" in Hokkaido Univ.)

August 28 (Monday)

8:45~9:00	Opening Rem	nark, Shinichi Kikkawa (Conference Chair)
Session A1 :	Future View o	of Nitrides & Non-Oxides I
		Chairperson :
9:00~9:30	A1-IL1	<i>Isao Tanaka</i> , Kyoto University, Japan Materials Discovery Through Machine Learning Process
9:30~10:00	A1-IL2	Young-Wook Kim, University of Seoul, Korea Electrically Conductive Liquid-Phase Sintered Silicon Carbide Ceramics
10:00~10:30	A1-IL3	<i>Mrityunjay Singh</i> , Ohio Aerospace Institute, USA Additive Manufacturing: A Flexible and Disruptive Manufacturing
10:30~11:00		Coffee Break

Session A2 : Future View of Nitrides & Non-Oxides II

		Chairperson :
11:00~11:30	A2-IL1	Yuichi Ikuhara, The University of Tokyo, Japan Grain Boundary and Interface Atomic Structures of Nitrides and Oxides
11:30~12:00	A2-IL2	<i>Walter Lengauer</i> , Vienna University of Technology, Austria Titanium Carbonitride–Based Cermets: A Review on Material Developments, Performance and Applications
12:00~12:30	A2-IL3	Shinichi Kikkawa , Hokkaido University, Japan Change of Magnetic Coercivity in α"-Fe ₁₆ N ₂ Like Nitride
12:30~14:00		Lunch Break

Session A3 : Functional Nitrides for Energy & Environment I – Energy Materials

		Chairperson :
14:00~14:30	A3-IL1	<i>Ungyu Paik</i> , Hanyang University, Korea Nitridated Nanomaterials for Energy Conversion and Storage Devices
14:30~14:45	A3-O1	<i>Hajime Kiyono</i> , Shibaura Institute of Technology, Japan Kinetics and Mechanism on Ammonia Nitridation of Oxides by Thermogravimetric Measurements and Microstructural Observations
14:45~15:00	A3-O2	<i>Ken Sakaushi</i> , National Institute for Materials Science, Japan Highly Efficient Energy Conversion Reactions of Carbon-, Nitrogen-based Frameworks

15:00~15:15	A3-O3	<i>Taeseup Song</i> , Yeungnam University, Korea Nitridated TiO ₂ nanofibers as an anode material for high power lithium ion batteries
15:15~15:30	A3-O4	Takahiro Kozawa , Osaka University, Japan Role of Carbon Nanoparticles in Mechanical Synthesis of Cathode Materials for Li-ion Batteries
15:30~15:45	A3-O5	Dragoljub Vrankovic , Technische Universität Darmstadt, Germany SiCN Ceramics with Tailored Porosity for Stable and Reversible Li-Ion Storage
15:45~16:15		Coffee Break

Session A4 : Functional Nitride for Energy & Environment II – Nitride Phosphors

		Chairperson :
16:15~16:45	A4-IL1	Rong-Jun Xia , National Institute for Materials Science, Japan Luminescent Nitride Ceramics for Solid State Laser Lighting
16:45~17:15	A4-IL2	<i>LiangJun Yin</i> , University of Electronic Science and Technology of China, China Composition-Structure-Property Relationships for Eu-doped AlN-based Phosphors: a Review
17:15~17:30	A4-O1	Zoltan Lences , Slovak Academy of Sciences, Slovakia Luminescent Properties of Lanthanide Oxide and Fluoride Doped LaSi ₃ N₅ Phosphors
17:30~17:45	A3-O2	<i>Fumitaka</i> Yoshimura, Mitsubishi Chemical Group, Science and Technology Research Center, Inc., Japan Synthesis, Crystal Structure and Luminescence Properties of a New Polymorph SrAISi ₄ N ₇ :Eu ²⁺
17:45~18:00	A3-O3	Takuma Takahashi , Kanagawa Academy of Science and Technology, Japan Fabrication of Translucent CaAlSiN ₃ :Eu ²⁺ Bulk Ceramics using a Spark Plasma Sintering Technique

Session B3 : Engineering Materials – Composite & Ceramics of Nitrides

		Chairperson :
14:00~14:30	B3-IL1	<i>Mathias Herrmann</i> , Fraunhofer-IKTS, Germany Diamond, cBN Reinforced Ceramic Materials: Potential Wear Resistant Components
14:30~14:45	B3-O1	<i>Ji-Xuan Liu</i> , Donghua University, China Reactive Hot-pressed ZrB ₂ -SiC-BN Ceramics with Improved Thermal Shock Resistance
14:45~15:00	B3-O2	<i>Eveline Zschippang</i> , Fraunhofer-IKTS, Germany Preparation and Characterization of Diamond/RBSN and cBN/RBSN Composites
15:00~15:15	B3-O3	Dowon Song , Hanyang University, Korea Crack Propagation Behavior in Thermal Barrier Coatings with Self-Healing Agent

15:15~15:30	B3-O4	<i>Hui Gu</i> , Shanghai University, China From Oxynitride, Nitrocarbide, to Carboboride Ceramics: Multi-Levelled Microstructures to Dictate Multi-phase Relationship
15:30~15:45	B3-O5	Servet Turan, Anadolu University, Turkey Obtaining Tunable Electrical Properties in Non-oxide Ceramics
15:45~16:15		Coffee Break

Session B4 : Coating & Thin Films

		Chairperson :
16:15~16:45	B4-IL1	<i>Takashi Goto</i> , Tohoku University, Japan Preparation of SiAION Films by Laser Chemical Vapor Deposition
16:45~17:15	B4-IL2	<i>Jingyang Wang</i> , Shenyang National Laboratory for Materials Science, China Integrated Carbides Coating for Accident Tolerant Zircaloy Fuel Cladding
17:15~17:30	B4-O1	Sung-Min Lee , Korea Institute of Ceramic Engineering and Technology, Korea Fabrication of Plasma Resistant Yttrium Oxyfluoride Coatings Through Suspension Plasma Spray
17:30~17:45	B4-O2	Yanling Cheng , Guangdong University of Technology, China Epitaxial Growth of Aluminium Nitride Film by a Urea Glass Route
17:45~18:00	B4-O3	Anongsack Paseuth , Hokkaido University, Japan Thermal Stability of Al-Rich c-Al _x Ti₁₋xN Coatings Prepared by LP-CVD

August 29 (Tuesday)

Sessions in Room A – "Oxynitride Sessions" supported by "Mixed Anion Project" in MEXT Session A5 : Novel Oxynitride & Synthesis Advances I

		Chairperson :
8:45~9:15	A5-IL1	<i>Amparo Fuertes</i> , ICMAB-CSIC, Spain New Developments in the Chemistry of Oxynitride Materials
9:15~9:45	A5-IL2	<i>Hiroshi Kageyama</i> , Kyoto University, Japan Transition Metal Oxynitride Perovskite
9:45~10:00	A5-O1	<i>Emanuel Ionescu</i> , Technische Universität Darmstadt, Germany Formability Prediction and Synthesis Methods of Perovskite-type Metal Oxynitrides
10:00~10:15	A5-O2	Takafumi Yamamoto , Kyoto University, Japan Low Temperature Synthesis of Oxynitrides by a Labile Hydride Strategy
10:15~10:30	A5-O3	Akira Hosono , Hokkaido University, Japan Flux Growth of Sr _{1-x} Ba _x TaO ₂ N (x=0.05~0.25) Oxynitride
10:30~11:00		Coffee Break

Session A6 : Functional Nitrides for Energy and Environment IV – Oxynitride Phosphors

		Chairperson :
11:00~11:15	A6-O1	Barbara Justyna Adamczyk , Silesian University of Technology, Poland Influence of Phase Purity on Photoluminescence Properties of Strontium Oxynitride Phosphor Doped with Eu ²⁺ Ions
11:15~11:30	A6-O2	Yuuki Kitagawa , Kyoto University, Japan Construction of Vacuum Referred Binding Energy Diagram in YSiO₂N Doped with Lanthanide lons for Persistent Luminescence
11:30~11:45	A6-O3	<i>Qian Liu</i> , Chinese Academy of Sciences, China Oxynitride Phosphors: Novel Synthesis, Transition Metal Ion Doping, Luminescent Properties
11:45~12:00	A6-O4	Tetsuo Uchikoshi , National Institute for Materials Science, Japan Surface Modification of Ca-α-SiAION:Eu ²⁺ Phosphor Particles for Obtaining Dense, Homogeneous Layer by Electrophoretic Deposition Process
12:00~12:15	A6-O5	Yuwaraj Khatri Kshetri , Sun Moon University, Korea Infrared to Visible Upconversion in α -Sialon and First Principles Study of Electronic Properties of Er ³⁺ - α -Sialon
12:15~12:30	A6-O6	<i>Junichi Tatami</i> , Yokohama National University, Japan Fabrication of Transparent and Fluorescent Ca-α-SiAlON:Eu Bulk Ceramics
12:30~14:00		Lunch Break

Session A7 : Novel (Oxy)Nitrides & Synthesis Advances I

		Chairperson :
14:00~14:30	A7-IL1	Richard Dronskowski , RWTH Aahen University, Germany Itinerant Nitrides and Salt-Like Guanidinates – The Diversity of Solid-State Nitrogen Chemistry
14:30~14:45	A7-O1	<i>Cedric Tassel</i> , Kyoto University, Japan Novel LiNbO ₃ -type Oxynitride Perovskites Prepared via High Pressure
14:45~15:00	A7-O2	<i>Fumitaka Takeiri</i> , Kyoto University, Japan Topochemical Reactions to Reach (O ^{2–} , H [–] , N ^{3–}) Anion-Ternary Compounds
15:00~15:15	A7-O3	<i>Laurent LE GENDRE,</i> Université de Rennes 1, France Microwave and Radio-Frequency Dielectric Properties of Oxynitride Perovskite Thin Films
15:15~15:30	A7-O4	Kumiko Yamazaki , TDK Co. Ltd., Japan SrTaO _x N _y (x>2, y<1) polycrystalline thin film of low tan δ and high permittivity
15:30~16:00		Coffee Break

Session A8 : Novel Oxynitrides & Synthesis Advances III

		Chairperson :
16:00~16:30	A8-IL1	<i>Tanguy Rouxel</i> , Université de Rennes 1, France Mechanical Properties of Silicon Oxynitride Glasses: What Makes Them Different from Other Glasses?
16:30~16:45	A8-O1	Toshihiro Moriga , Tokushima University, Japan Eco-friendly Preparation of Sr ₂ TaO ₃ N from Stoichiometrically-different Oxide Precursor
16:45~17:00	A8-O2	Yuji Masubuchi, Hokkaido University, Japan Synthesis of SrTaO ₂ N Oxynitride by using Carbon Nitride as a Nitrogen Source

17:00~19:00 Poster Session – Room C (1F) –

Session B5 : Functional Nitrides for Energy & Environment III – Thermal Property

		Chairperson :
8:45~9:15	B5-IL1	<i>Hideki Hirotsuru</i> , Denka Co., Ltd., Japan Technical Trend of a Ceramics Substrate for Power Module
9:15~9:45	B5-IL2	<i>Kiyoshi Hirao</i> , National Institute of Advanced Industrial Science and Technology, Japan Assessment of Thermal Fatigue During High Temperature Cycling of AIN/Cu and Si ₃ N ₄ /Cu Metalized Substrates

9:45~10:00	B5-O1	<i>Jingxian Zhang</i> , Shanghai Institute of Ceramics, China Low Temperature Sintering of Si ₃ N ₄ for Potential Use as Circuit Substrate of Power Device
10:00~10:15	B5-O2	You Zhou , National Institute of Advanced Industrial Science and Technology, Japan Effects of Sintering Additives on Thermal Conductivity of Sintered Reaction-bonded Silicon Nitride Ceramics
10:15~11:00		Coffee Break
Session B6 : E	ngineering	Materials – Silicon Nitrides & Carbides
		Chairperson :
11:00~11:15	B6-O1	<i>Martin Schwentenwein</i> , Lithoz GmbH, Austria Lithographic Additive Manufacturing of SiAION Systems
11:15~11:30	B6-O2	<i>Xuemei Yi</i> , Northwest A&F University, China Combustion Synthesis and Spark Plasma Sintering of (Y,Ca)-α-SiAlONs
11:30~11:45	B6-O3	Young-Jo Park , Korea Institute of Materials Science, Korea The Fabrication of β -SiAIONs not by the Reaction Sintering
11:45~12:00	B6-O4	<i>Motoyuki lijima</i> , Yokohama National University, Japan PEI-Fatty Acid Complex as Surface Modifier for Processing Si ₃ N ₄ Ceramics from Non-Aqueous Multi-component Slurries
12:00~12:15	B6-O5	<i>Tohru S. Suzuki</i> , National Institute for Materials Science, Japan Tailoring the Microstructure in SiC by Magnetic Field
12:15~12:30	B6-O6	<i>Mariko Sado</i> , Yokohama National University, Japan Improvement in Thermal Conductivity of Si3N4 Ceramics Through a Low Magnetic Field Orientation Technique
12:30~14:00		Lunch Break
Session B7 : E	ngineering	Materials – Nitrides & Carbides
		Chairperson :
14:00~14:30	B7-IL1	Yoshio Sakka , National Institute for Materials Science, Japan Fabrication and Some Properties of MAX Phase Ceramics
14:30~15:00	B7-IL2	Yanchun Zhou , Aerospace Research Institute of Materials and Processing Technology, China Damage Tolerant Ceramics with Nanolaminated Structures: from MAX Phases to MAB Phases
15:00~15:15	B7-O1	Rolf J. Waesche , Federal Institute for Materials Research and Testing (BAM), Germany Colloidal Processing of Niobium Carbide Cermets with Ni Binder

15:30~16:00	Coffee Break	

Session B8 : Polymer Derived Materials I – Boron Nitrides

Chairperson :

16:00~16:30	B8-IL1	<i>Philippe Miele</i> , Université de Montpellier, France Boron Nitride Based Nanostructured Materials for Energy, Environmental and Health Applications
16:30~16:45	B8-O1	Yoshiyuki Sugahara , Waseda University, Japan Preparation of Amorphous Solids from Precursors and Their Applications to High Pressure Synthesis of Cubic Boron Nitride
16:45~17:00	B8-O2	Samuel Bernard, Universite Montpellier 2, France Highly Crystallized Precursor-derived Boron Nitride

17:00~19:00	Poster Session – Room C (1F) –			
P1	Dai Kusano , Japan Fine Ceramics Co., Ltd., Japan Development of High Thermal Conductivity Silicon Nitride Substrates for Power Semiconductor Applications			
P2	Yuki Tokunaga , Tokyo Institute of Technology, Japan Visible-light-response of Layered Titanium Niobates Doped with Nitrogen			
P3	<i>Laurent Le Gendre</i> , Université de Rennes 1, France A Combined Experimental and Theoretical Study of the Photophysical Performance of SrTaO ₂ N Thin Films			
P4	<i>Laurent Le Gendre</i> , Université de Rennes 1, France Study of the Post-nitridation of Dielectric Strontium and Tantalum Based Oxide and Oxynitride Thin Films			
P5	Yasushi Sato , Okayama University of Science, Japan Photoluminescence Properties of Pr ³⁺ -acitvated CaZr _x Ta _{1-x} O _{2+x} N _{1-x}			
P6	Sung Hoon Lee , Hyosung Corporation, Korea The Study of High Thermal Reliability of Eu, Al Co-doped BaSi ₂ O ₂ N ₂ for White Light Emitting Diodes			
P7	<i>Hisanori Yamane</i> , Tohoku University, Japan New Nitride Phosphors Containing Boron, Sr₃BaAl₅Si₃N₂₀:Eu and Ba₅B₂Al₄Si₃₂N₅₂:Eu			
P8	Ryo Ishikawa , The University of Tokyo, Japan Atomic Structures of Luminescent Centres in Nitrides			
P9	Young Jin Kim , Kyonggi University, Korea Synthesis of Eu ²⁺ -Doped Sr ₂ Si(O,N) ₄ Oxynitride Powders and Their Multiple- Photoluminescence			
P10	<i>Genki Saito</i> , Hokkaido University, Japan Dopant Distribution Analysis of Eu-doped Ca-α-SiAlON via HAADF-STEM Imaging			
P11	<i>Takuya Yasunaga</i> , Tohoku University, Japan Synthesis of a Novel Oxynitride BaYSi₂O₅N and its Photoluminescence Property			
P12	Sayaka Nishitani, Hokkaido University, Japan Novel BaCN ₂ Prepared by Ammonolysis of BaCO ₃ and Its Application in Red Emitting Phosphor			

P13	Tomoya Inagaki , Nagoya University, Japan High Pressure-High Temperature Synthesis of Novel Tin Nitride
P14	Yuka Kuboki , Shibaura Institute of Technology, Japan Growth of GaN Crystals by Ammonia Nitridation of Ga ₂ O ₃ Powder using a Vessel with Gas Permeable Plate
P15	<i>Shu Yin</i> , Tohoku University, Japan Low Temperature Nitridation of In ₂ O ₃ using Sodium Amide
P16	<i>Shi-Kuan Sun</i> , University of Sheffield, UK Direct Synthesis of SrTaO ₂ N Powder from SrCO ₃ /TaN
P17	<i>Qiang Liu</i> , Harbin Institute of Technology, China Fabrication of Stable Si ₂ N ₂ O from Amorphous Nano-Sized Si ₃ N ₄ Powders Surface Modified by a Chemical Route
P18	<i>Kenta Hasegawa</i> , Yokohama National University, Japan Shaping Process Through In-situ Solidification of Non-aqueous Dense Slurry by Michael Additive Reaction using Multifunctional Acrylates
P19	<i>Satoshi Suehiro</i> , Japan Fine Ceramic Center, Japan Reaction Sintering of Silicon Carbide using Nd:YAG Laser
P20	Soo-Hyeik Jeon , Changwon National University, Korea Dispersibility of Modified Carbon Nanotubes (CNTs) in Porous Almina Composites
P21	Yuki Sagawa , Hokkaido University, Japan Precipitation Behaviour of TiN from Amorphous Ti Doped Silica Prepared by the Hydrolysis Reaction of Alkoxides
P22	<i>Fumika Sakamoto</i> , Yokohama National University, Japan Fabrication of Oriented h-BN/Epoxy Resin Composites by Applying a Low Magnetic Field using Multi-layered-graphene-coated Platelets
P23	<i>Lung-Hao Hu</i> , Southern Taiwan University of Science and Technology, Taiwan Organic Polysilazane Preceramic-precursor for 3D Ceramic Inkjet Printing
P24	<i>Masaki Kakiage</i> , Shinshu University, Japan Effects of Starting Materials on Morphology of Calcium Hexaboride Powder Synthesized from Condensed Boric Acid-Polyol Product
P25	Atsushi Uga , Yokohama National University, Japan Fabrication of Porous TiN Structures from TiO ₂ Colloids using Polymer Monolith as a Template
P26	<i>Koji Mizutani</i> , Nagoya Institute of Technology, Japan Hydrogen Absorbing Properties of Polymer-derived Amorphous SiAICN
P27	Daiki Hamana , Nagoya Institute of Technology, Japan Chemical Formation of β-SiAlON:Eu ²⁺ Phosphors from Single Source Precursors
P28	Yuke Shi, Sungkyunkwan University, Korea Long-Time Oxidation of Ti ₃ (Al,Si)C ₂ Carbides at 400-800 °C
P29	<i>Servet Turan</i> , Anadolu University, Turkey Production of In-situ Formed hBN-SiC Composites and Their Characterization by using Transmission Electron Microscopy Techniques

- P30 **Yeon-Gil Jung**, Changwon National University. Korea Finite Element Modeling of Mechanical Properties of WC-Co Composite
- P31 Dilek Turan, Anadolu University, Turkey The Effect of Different α/β Content on the Creep Properties of SiAION Ceramics Sintered with Lutetium Oxide
- P32 **Yumi Imoto**, Yokohama National University, Japan Relationship Between Strengths of a Neck and a Bulk Body of Porous SiC
- P33 **Youngseok Kim**, INOCERA inc., Korea The Study on Process Variables of SiC Radiant Tube Including In-situ Joining
- P35 *Xiumin Yao*, Chinese Academy of Science, China Dry Friction-wear Mechanism and Properties of Silicon Carbide Ceramics
- P34 *Kui Hu*, Tokushima University, Japan Synthesis and Characterization of Rocksalt-type Oxynitride LiTi₂(O,N)_z (z~4) as an Electrode Material

P36 *Akira Miura*, Hokkaido University, Japan Effect of starting materials on the synthesis of manganese oxynitrides using NaNH₂ melt

P37 **Xin Xu**, University of Science and Technology of China, China A novel polymer derived hydrophobic layer on silicon nitride-based ceramic membrane for water desalination

August 30 (Wednesday)

Session A9 : Functional (Oxy)Nitrides for Energy & Environment V – Photocatalyst – "Oxynitride Session" supported by "Mixed Anion Project" in MEXT

		Chairperson :
8:45~9:15	A9-IL1	<i>Kazuhiko Maeda</i> , Tokyo Institute of Technology, Japan Photocatalytic Water Splitting and CO ₂ Fixation Using Oxynitrides and Nitrides
9:15~9:30	A9-O1	<i>Wenjea J. Tseng</i> , National Chung Hsing University, Taiwan Nitrogen-Doped TiO ₂ Mesoporous Composite Particles with Enclosed Fe ₃ O ₄ /Ag for Magnetically Active Photocatalysis and Bactericide
9:30~9:45	A9-O2	Takayoshi Oshima , Tokyo Institute of Technology, Japan Synthesis of Layered Oxynitride $Li_2LaTa_2O_6N$ and the Photocatalytic Performance for H ₂ Evolution and CO ₂ Reduction
9:45~10:00	A9-O3	<i>Xuehua Yan</i> , Jiangsu University, China A Simple and Effective Method for Preparing Novel Visible-light-driven CeVO ₄ /Graphitic C ₃ N ₄ Photocatalysts and Their Enhanced Photocatalytic Performances
10:00~10:15	A9-O4	<i>Kanemichi Muraoka</i> , Tokyo Institute of Technology, Japan Synthesis of Ta ₃ N ₅ Photocatalysts for Visible Light CO ₂ Reduction with the Aid of a Ru(II) Binuclear Complex
10:15~10:30	A9-O5	Ryo Kuriki , Tokyo Institute of Technology, Japan Visible-Light Photocatalytic CO ₂ Reduction Using Hybrids Constructed with Carbon Nitride and Metal Complexes
10:30~11:00		Coffee Break

Session A10 : Mechanical Properties of Silicon (Oxy)Nitrides

		Chairperson :
11:00~11:30	A10-IL1	<i>Hua-Tay Lin</i> , Guangdong University of Technology, China Innovative Processing of Silicon Nitride Ceramics for Industrial Applications
11:30~12:00	A10-IL2	Oskar Schöppl, SKF Österreich AG, Austria Rolling Contact Response of Silicon Nitride / Silicon Materials
12:00~12:15	A10-O1	Seongwon Kim , Korea Institute of Ceramic Engineering and Technology, Korea Effect of Sintering Condition and Additive on Microstructure and Physical Property of SiAION Ceramics
12:15~12:30	A10-O2	<i>Manshi Ohyanagi</i> , Ryukoku University, Japan Spark Plasma Sintering of Silicon Nitride with Transformation without Additive
12:30~14:00		Lunch Break

Session A11 : Mechanical Properties of Non-Oxides

		Chairperson :
14:00~14:30	A11-IL1	<i>Guo-Jun Zhang</i> , Donghua University, China High-Temperature Strength of Diboride-based Ultra-High Temperature Ceramics
14:30~15:00	A11-IL2	Dongliang Jiang , Chinese Academy of Sciences, China Research on the Properties of Graphene Doped Silicon Carbide Ceramic
15:00~15:15	A11-O1	Byung-Koog Jang , National Institute for Materials Science, Japan Thermo-Chemical Properties of Y_2SiO_5 EBC on SiC Ceramics
15:15~15:45	A11-IL3	Takashi Taniguchi , National Institute for Materials Science, Japan Impurity Control of Polymorphic Phase of Boron Nitride to Realize Their Potentials as Super-Hard and Wide-bandgap Materials
15:45~16:15	A11-IL4	Pavol Sajgalik , Slovak Academy of Sciences, Slovakia GB Chemistry of Silicon Nitride Based Ceramics – Implications to the Ceramics Properties
16:15~16:45	Closing Remark, Junichi Tatami (Conference Chair)	
Presentation Awards for Students		

Session B9 : Polymer-Derived Materials II – Silicon Nitrides & Carbides

10:30~11:00		Coffee Break
10:15~10:30	B9-O3	<i>Masaki Narisawa</i> , Osaka Prefecture University, Japan Synthesis and Properties of Silicon Oxycarbides Derived from Cross-linked Organosilicon Precursor
10:00~10:15	B9-O2	Yuji Iwamoto , Nagoya Institute of Technology, Japan Hydrogen Absorbing Properties of Amorphous SiAICN Derived from Al- Modified Polysilylcarbodiimides
9:30~10:00	B9-IL2	Zhaoju Yu , Xiamen University, China SiCN-Based Nanocomposites: Synthesis, Microstructure and Electromagnetic Performance
9:15~9:30	B9-O1	<i>Samuel Bernard</i> , Universite Montpellier 2, France From Design to Application of Nanocomposites Derived from Transition Metal SilicoNitrides
8:45~9:15	B9-IL1	Ralf Riedel , Technische Universität Darmstadt, Germany Single-Source Precursor Synthesis and Properties of Ternary Nitrides in the System Si-M-N (M = Hf, V, Fe)
		Chairperson :

Session B10 : High Pressure & Related Materials

		Chairperson :
11:00~11:15	B10-O1	Akira Yoshiasa , Kumamoto University, Japan High Pressure Phases of Boron Nitride and Crystal Chemistry of Wurtzite- Type Nitrides

11:15~11:30	B10-O2	<i>Hitoshi Yusa</i> , National Institute for Materials Science, Japan High-Pressure Syntheses and Compression Measurements of 5 <i>d</i> Transition Metal Nitrides
11:30~11:45	B10-O3	Norimasa Nishiyama , Tokyo Institute of Technology, Japan Transparent Polycrystalline Silicon Nitride with Spinel Structure
11:45~12:00	B10-O4	<i>Ken Niwa</i> , Nagoya University, Japan High Pressure Synthesis of Pyrite-type Group 14 Nitrides
12:00~12:15	B10-O5	<i>Fumio Kawamura,</i> National Institute for Materials Science, Japan High-Pressure Synthesis and Properties on Pseudo-III-V Nitride of ZnSnN ₂ Crystals
12:15~12:30	B10-O6	<i>Masashi Hasegawa</i> , Nagoya University, Japan High Pressure Synthesis and Physical Properties of Novel Anti-perovskite- type Nitrides M ₃ GaN (M=Co,Ni,Cu)
12:30~14:00		Lunch Break

18:00~20:00 HOTEL MYSTAYS – Sapporo Aspen –