Oral Presentation updated on 2016/5/14

		Event Hall A		Event Hall B		Conference Hall		4th Meeting Room		6th Meeting Room		7th Meeting Room
May 22 nd	No.		No.		No.		No.		No.		No.	
		Invited Speech		Invited Speech		Invited Speech		Invited Speech		Special Session		Simulation and Modeling
13:30-13:50				Superallovs for Jet Engine and Gas Turbine		Trace Elements and Graphite Shape Degeneracy		Research on ELI Grade Casting Titanium Allov and	0-110	Development of Al-Li alloy castings excellent in formability Sejii Saikawa et al. University of Toyama, Japan	0-139	Development of elasto-plastic-creep constitutional equation for a die casting alloy and validation of thermal stress analysis Hidetoshi Shiga et al. Nissan Moter Co,Ltd, Japan
13:50-14:10	ы	Interfacial Phenomena in Casting Process Youngjig Kim Sungkyunkwan University, Korea	I-2	Superalloys for Jet Engine and Gas Turbhe Applications: Evolution and Revolution for the Future Hiroshi Harada National Institute for Materials Science (NIMS), Japan	1-3	in Nodular Graphite Cast Irons Jacques Lacaze Université de Toulouse, France	1-4	Research on ELI Grade Casting Titanium Alloy and Its Precision Forming Technology Yanchun Lou Shenyang Research Institute of Foundry, China	0-111	New concept cracking tubes for ethylene plant in a petrochemical industry Yohei Enjo et al. KUBOTA Corporation, Japan	0-140	Numerical simulation of mechanical wave propagation in casting solidification process Wu Shiping et al. Harbin Institute of Technology, China
14:10-14:30									0-112	The vertical full-continuous casting method for aluminum alloy billets Kenji Niwa et al. Nippon Light Metal Company, Ltd., Japan	0-141	Predicting thermal fatigue life of aluminum die casting molds – an experimental and computational approach Sebastian Mueller et al. Braunschweig University of Technology, Germany
14:30-14:50	0-1	Challenges & Perspective on Foundry Indust Further Study on Application of the Book of Changes in Metal Casting Jang Yi Xiang Xihua University, China	: O-29	Non-ferrous Casting Production and Metallur The mold-less casting technique for production of the wrought aluminum alloy components Jun Yaokawa Changan (Albanda), Japan	Γ΄	Ferrous Casting Production and Metallurgy A Contribution to the Understanding of the Combined Effect of Nitrogen and Boron in Grey Cast Iron Knud Strande at Land Land Land Land Land Land Land Land	0-85	Non-ferrous Casting Production and Metallus Solidification Manner of Overlay Alloy in Al-Mn/Al-Si Alloy Glad Stripe Produced by Vertical-Type Tandem Twin-Roll Casting Yusuke Taksyama et al. Tokyo Institute of Technology, Japan	GY 0-113	Innovation of a roll oaster for aluminum alloy Toshio Haga Osaka Institute of Technology, Japan	0-142	Optimization of geometry of ceramic gating systems for larga-size ferrous castings Michal Szucki et al. AGH University of Science and Technology, Poland
14:50-15:10	0-2	Submeraibles of Casted Maraging Steel Olavi Pha et al. Aalto University, Finland	: 0-30	The mold-less casting technique for applying to auto mobile parts Nacaki Sugiura et al. Toyota Motor Corporation, Japan	O-58	Mechanism of the molten metal surface pattern generating in gray cast iron Yuki Iwami et al. Kimura Chuzosho Co., Ltd., Japan	0-86	Grain Refinement of Cast Magnesium Alloy Containing Aluminum Jun Ho Bae et al. Korea Institute of Materials and Science (KIMS), Korea	0-114	Development of Lead Free Bronze with Sulfide Dispersion for Sliding Members Tomohiro Sato et al. Kansai University, Japan	0-143	Solidification of the casting in a sand mould with forced cooling Pawel L. Zak et al. AGH University of Science and Technology, Poland
15:10-15:30			0-31	Effect of Si content and Melt superheat on the liquid aluminum viscosity Young-Ki Lee et al. Sungkyunkwan University, Korea	0-57	Dynamic measurements of the load on GCI castings and the contraction of castings during cooling in green send molds (Razuki Yoshida et al. Waseda University, Japan	0-87	Thermal Analysis as a Microstructure Prediction Tool in Aluminum Foundry: A Literature Review Waleed Khalifa Cairo University, Egypt	0-115	Development and Energy Saving Type Vertically Grooved Crucible Tamio Okada et al. Nippon Crucible Co., Ltd., Japan		
15:30-16:10		POSTER SESSION & COFFEE BREAK		POSTER SESSION & COFFEE BREAK		POSTER SESSION & COFFEE BREAK		POSTER SESSION & COFFEE BREAK		POSTER SESSION & COFFEE BREAK		POSTER SESSION & COFFEE BREAK
16:10-16:30	. 0-3	New Casting Applications Entire Foundry Production "Management" to achieve "Quality Castings" Hiromu Yamaguchi et al. SINTOKOGIO, LTD. , Japan	0-32	Non-ferrous Casting Production and Metallu Description of Al-Si10-Mg1 alloys by advanced thermal analysis based on their known chemical compositions liban Vicario et al. Tecnalia Research and Innovation, Spain	o-58	Ferrous Casting Production and Metallurgy Numerical Value Evaluation of Graphite Morphology and Machaniel Property of Flake Graphite Cest Iron Sadato Hiratsuka et al. Iwate University, Japan	0-88	Non-ferrous Casting Production and Metallu Influence of Mo content on Tungsten Heavy Alloys for Dio Casting Applications Rafael Cury of Applications Saint Pierre en Faucigny, France		© Special Session Development of Aluminum Cylinder Head Cestings for Diesel Engines Ken Moizumi et al. ISUZU MOTORS LTD., Japan	0-145	Simulation and Modeling Increasing the Capabilities of Computer Process Modeling With Applied Programming Interface Jerry Thiel et al. University of Northern Iowa, United States
16:30-16:50	0-4	Fabrication of Fe-based self-lubrication composite containing graphite particles by centrifugal mixed-powder method Hissahi Sato et al. Nagoya Institute of Technology, Japan	. 0-33	Effect of casting plan and alloying content on the hot-tearing of Al-Si alloy Hiroshi Tachibana et al. KOIWAI CO.LTD., Japan	O-59	A consistent model and a new continuous reference row for the graphite structure in grey cast iron alloys Gotthard F. Wolf et al. TU Bergakademie Freiberg, Germany	0-89	High temperature interaction between liquid Qd- containing alloys and selected oxides Natalia Sobozak et al. Foundry Research Institute, Motor Transport Institute, Poland	0-117	Compacting of Greensand Control Equipment Hiroaki Amano et al. AISIN TAKAOKA CO.LTD., Japan	0-146	Optimization of Gating System Design for High Pressure Die Casting to Reduce Air Entrapment Defects Konichi Kanazawa et al. Mie University, Japan
16:50-17:10	0-5	Metallic Fuel Slug Prepared by a Modified Injection Casting Method for Reducing Volatilization Hoon Song et al. Korea Atomic Energy Research Institute, Korea	0-34	Study of low pressure die casting AISI11 alloy solidification Zdenka Z. Brodarac et al. University of Zagreb, Croatia	0-80	Streamlining the design, development and manufacture of grey fron brake discs through Computer-Mided Design, Manufacturing and Engineering Richard Sims et al. Eurac Poole Ltd., United Kingdom	: O-90	High temperature behaviour of liquid Ni-based alloys with oxide ceramics Natalia Sobczak et al. Foundry Research Institute, Motor Transport Institute, Poland	0-118	Development of the latest small-size flaskless horizontal molding machine Shuji Takasu et al. SINTOKOGIO, LTD, Japan	0-147	Core Shooting Simulation – to the Economic and Environmental Advantage of the Foundry Fumihiko Kimura et al. ASK Chenmicals GmbH, Japan
17:10-17:30	0-6	Evaluation of casting defect and analysis on mechanical proporties for die cast by using 3D computed tomography In-Sung Cho et al. Korea Institute of Industrial Technology, Korea	: 0-35	How To Solve Shrinkage Porosity In The Aluminum Gravity Die Castings? (A shop floor experience & case studies) Muthiah Thriuganam Samurai Aluminum Foundry Consultancy, India	0-61	Is it all Chunky Graphite that you see or could it be something slae? Cathrine Hartung et al. Elkem AS, Norway	0-91	Evaluation of the α-case with Titania Mold for Titanium Investment Casting Soul Lee et al. Sungkyunkwan University, Korea	0-119	Development of Mechanical Sand Reclamation System Using Roller Squeezing Mechanism Takafumi Oba et al. SINTOKOGIO, LTD, Japan	0-148	Lightweight, high-strength aluminum AlZnMgCu alloy castings Stanislaw Pysz et al. Foundry Research Institute in Cracow, Poland
17:30-17:50			0-36	Color metallography of A356 aluminum alloy castings using Wook's reagent Shinjii Kumai et al. Tokyo Institute of Technology, Japan	0-62	On the structure of ausferrite in ductile iron Dawid Myszka Warsaw University of Technology, Poland	: O-92	Improvement of Oreep Resistance in Wrought Nickel Based Superalloys by Addition of Trace Elements Byung-Il Kang et al. Sungkyunkwan University, Korea	0-120	Achieving a clean foundry plant with adopting artificial sand in an old plant Tohru Mizuki et al. Kimura Chuzosho Co., Ltd., Japan	0-149	Rapid Development of Export Castings in Our Foundry by Simulation Techniques - Some Industrial Case Studies Tapan Roy Texmaco Rail & Engineering Limited. India
17:50-18:10			0-37	Microstructure analysis of Al-55Mg alloy semi-solid slurry by Wock's resgent Kamolwat Prapasajchavet et al. Tokyo Institute of Technology, Japan	O-63	Austempered Ductile Iron (ADI) Alternative material for high performance applications Garriotz Artola et al. IR4-Azterian. Spain						

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	Event Hall A	Event Hall	B Conference Hall	4th Meeting Room	6th Meeting Room		7th Meeting Room
May 23 rd							
	Ferrous Casting Production and Metallurgy	Mold and Coremaking T	Technology Special Session on Cast Defects	Non-ferrous Casting Production and Metallu	Ferrous Casting Production and Metallurgy		Robotics and Automation
9:00-9:20	O-8 Effects of nitriding and nitro-carbunizing on the fatigue properties of ductile cast iron Tohru Nobuki et al. Kindai University, Japan	Inorganic Technology - The End 0-38 Heinz Deters ASK Chemicals GmbH , Germany	I of Shell Sand? O-44 Scanning electron microscope analysis data for casting defects in iron foundry Kazuya Edane et al. T suchlyosi Industry Co., Ltd, Japan	Defect susceptibility of tensile properties to microporosity variation in as-cast Al-xSi alloys Young-Ki Lee et al. Sungkyunkwan University, Korea	O-12: effect of surface condition on eddy current evaluation of ductile cast iron metrix. Noritaks Horikawa et al. National institute of technology, Asahikawa college, Japan	O-150	Design of a remote operation control system for vibration suppression of a liquid container by an overhead travelling orane Akihiro Kaneshige et al. National Institute of Technology, Toyota College, Japan
9:20-9:40	Optimal design of pure lanthanum based MgFeSi alloy for high performance ductile iron ladle treatment Gunnar M. Hansen et al. Elkem, Norway	0-39 Benchmarking the high producito mold binder systems and most re Tsukasa Homma et al. ASK Chenmicals GmbH, Japan		Experimental Investigation of Microstructural Characteristics and Tribological Properties of AI-Si Alloys Modified under the Influence of Mechanical O-94 Mode Vibration Varchaman Mudakappanavar et al. B. M.S College of Engineering, India	Solidification sequence of dustile cast iron - In-situ observation and modelling - Hideyuki Yasuda et al Kyoto University, Japan	0-151	High-precision Automatic Pouring Machine with Adaptive Control Parameters Yoshiyuki Noda et al University of Yamanashi, Japan
9:40-10:00	Effect of Si Content on the Ferrite-to-Austenita Transformation during Austenitizing in Spheroidal Graphita Cest Iron Tatsuya Tokunaga et al. Kyushu Institute of Technology, Japan	Inorganic core production and co O-40 Klaus Löchte et al. Hüttenes-Albertus Chemische Wer	0-67 Analysis	Microstructure refinement in Al-78Si alloys solidified by an electromagnetic stirring technique Mingiun Li et al. National Institute of Advanced Industrial Science and Technology (AIST), Japan	Effect of Copper and Nickel on the Crystallization, Microstructure and Properties of Vermicular Cast Iron Grzegorz Gumienny et al. Lodz University of Technology, Poland	O-152	Optimum Feedforward and Model Predictive Control of Molten Metal Pressure in Greensand Mold Press Casting Takahito Takako et al. Toyohashi University of Technology, Japan
10:00-10:20	A new metallurgical process for the ductile iron foundry Shinya Sano et al. TOMITA CHUKOSHO, Japan	Innovative binder and refractory highly complex castings Peter Gröning et al. Hüttenes-Albertus Chemische Wer	o-es prevention of the occurrences of metal penetration Jun Kannari et al.	Novel Grain Refining Process using TI Clusters generated by Ultrasonic Cavitation Jeong II Youn et al. Sungkyunkwan University, Korea	High performance cast parts. Advanced feeding systems for metallurgical optimization Garkoitz. Artola et al. IK4-Azterlan, Spain	0-153	Robotic Applications of Foundry Industry in China Yang Yang Changsha Chaint Robotics Co., Ltd., China
10:20-10:40	Influence of pouring temperature on the microstructure in ductile cast fron Jonas Aberg et al. Elkem Foundry Products, Norway	Evaluating a High Production Eoc Binder System for Aluminum Sam N. Ramrattan et al. Western Michigan University, Unite		The microstructure and refinement performance of Al-Ti-O master alloy amelted via improved SHS-approach Kateryna Svynarenko et al. Dalian University of Technology, China	Effect of costing thickness on Melt Filling Rate of O=125 Toru Maruyama et al. Kansai University, Japan	0-154	Generation of optimal trajectories for a pouring Robot considering Control system used in industry Markus Birkhold et al University of Stuttgart, Germany
	COFFEE BREAK	COFFEE BREA	AK COFFEE BREAK	COFFEE BREAK	COFFEE BREAK		COFFEE BREAK
11:00-11:20	Ferrous Casting Production and Metallurgy Advanced Properties of Ausferritic Ductile Iron Obtained in Are-cast Conditions Susans Mendez et al. IK4-AZTERLAN, Spain	Mold and Coremaking T Improving the moleture resistance inforganic binder Hiroki Ameku et al. Tsuchiyoshi Industry Co., Ltd. Japan	Online tracking for single unit in investment casting of jet engine critical components	Non-ferrous Casting Production and Metallur, Structure, mechanical properties and erosion resistance of HVOF sprayed 07,02+NiOr costing on the surface of castings made from Al-Si alloy Marzanna Ksiazek et al. Foundry Research Institute, Poland	Perrous Casting Production and Metallurgy Residual Stress Measurement in Large Grey and Ductile Iron Castings Lars Noppenau Marine Low Speed, Engineering, Production Support, Denmark	O-155	Energy Saving and Environmental Protection Calciner-Free Green Sand Reclamation by Using Advanced Machanical Reclamation System Tasafurum Ose et al. Sintokogio, LTD Japan
11:20-11:40	Corta A Mollection for a Spheroidal Graphite tron Orta A Mollect Orta A Moll	Post casting residual strength de generation inorganic binders usin 0-44 African silica sanda Farai C. Banganayi et al. University of Johannesburg. South	addition of camphor and needle coke/wax powder— A comparison Khyati Tamta et al.	Development of Complete Gravity Die Cesting Production System for Aluminum Castings Yukyoshi Funakoshi et al. SINYOKOGIO.LTD.Japan	Process improvement by optimal use of feeding eyetens Calegoro Vassallo et al. ASK Chemicals GmbH, Germany	O-156	New Melting System of Briquetted Aluminium Chip Achieves Energy-Saving and Environmental Improvement Hirotoshi Yabumoto et al. SANKEN SANGYO CO., LTD., Japan
11:40-12:00	Possibility on Estimation of Fatigue Limit Using Non- Distractive Testing Method in Spheroidal Graphite Ost Iron Natot Shiraki et al. Tokyo City University, Japan	New Coatings And Additives Con Approach For Defect And Residu Reinhard Stötzel et al. ASK Chemicals GmbH, Germany	Novel Bayesian Inference Based Approach to Identify Ortical Parameters Affecting Mechanical Properties of Investment Castings Amit V. Sata et al. B H Gard College of Engineering and Technology, India	O-100 Semi-Solid Processing of Aluminium A201 - expectations and fulfilment Platon Kapranos The University of Sheffield, United Kingdom	Research on ion carbonitriding and wear resistance of cast iron Li Jilin et al. Guangzhou General Research Institute of Non-ferrous Metals, China	0-157	Sustainable Manufacturing in Foundry- A practical approach Rajesh Goel et al. Operations, Sigma electric manufacturing corporation, India
12:00-12:20	Fatigue characterization and optimization of the production process of heavy-section ductile iron castings O-IS Danilo Lusuards et al. Fonderie Ariotti S.p.A., Italy.	O-46 Clariant Produkte, Germany	Critical Analysis of Rapid Prototyping assisted Investment casting for Medical Implants O-72 Abhaykumar M. Kuthe et al. Visvesherya national institute of technology. India		Incoulation - Higher potency alternatives to Barium O-129 Gunnar M. Hansen et al. Ekem. Norway		

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		Event Hall A		Event Hall B		Conference Hall		4th Meeting Room		6th Meeting Room	7th Meeting Room
May 24 th											
		Ferrous Casting Production and Metallurgy Giga-cycle Fatigue Properties for Spheroidal Graphite Cast Iron		Mold and Coremaking Technology Advancements in Materials for Three Dimensional Printing of Molds and Cores		Die Casting Deflection simulation of a die installed in an HPDC machine to predict the die life		Control of Quality Accurate Controlling and Monitoring Sand Properties		Young Researchers Program	Young Researchers Program
9:00-9:20	0-17	Magnitud Outs. 1 Uni Hidoaki Mishikawa et al. National Institute for Materials Science, Japan	: 0-47	Jerry Thiel University of Northern Iowa, United States	0-73	Hiroshi Yanagata Gifu University, Japan	0-101	by sensing in Green Sand Treatment System Yuichi Ögura et al. Sintokogio.LTD., Japan	0-130	Influence of Amount of Chunky Graphite on the Mechanical Properties of Spheroidal Graphite Cast Iron Hideaki Nakayama et al. I Metal Technology Co.,Ltd., Japan	O-188 Wear Behavior of Carbon Fiber Reinforced Aluminum Alay Composite Muhammad F. Zainuddin et al. Kindai University, Japan
9:20-9:40	O-18	Solubility of Hydrogen and Nitrogen in liquid cast iron during melting and mold filling Attila Dioszegi et al. Jönköping University, Sweden	. 0-48	Evaluation of Ceramic sand produced by Ultrahigh temporature melting process Soichi Nagai et al. Tsuchiyoshi Industry Co., Ltd, Japan	0-74	Confirmation of the heat check deterrent effect by the shot peening Yuji Kobayashi et al. SINTOKOGIO.LTD., Japan	0-102	In-situ Measurement of Green Sand during Molding Process Hartmut Polzin et al. TU Bergakademie Freiberg, Germany	0-131	Effect of Casting Skin Condition on Fatigue Strength of Gray Cast Iron Shusaku Nasu et al. I Metal Technology Co.LTD, Japan	Fabricated of Metal-bonded Grinding Wheel with Oubic Boron Nitride Abrasive Grains by Centrifugal O-190 Cetting Takayasu Sugiura et al. Nagoya Institute of Technology, Japan
9:40-10:00	: O-19	Evaluation of Anti-sticking Effect of Microstructure Components in Gast Iron by Friction Thermal Shock Test Norm Oda et al. Hitachi Metals Wakamatsu, Ltd, Japan	: 0-49	Future Foundry Sand Zhu-dianzun SHENGQUAN GROUP, China	O-75	Increasing the lifetime of die casting molds by additive remanufacturing applying electron-beam deposit welding with a local process integrated het treatment Torsten Schuchardt et al. Braunschweig University of Technology, Germany	0-103	Poroaity Discrimination System for Aluminum Alloy Die Castings Using X-ray O'T Imaging Eito Tanaka et al. Mie university, Japan	0-132	Cooling curves and graphite shapes of eutectic temperature region in gray cast iron Taiki Tsuchiya et al. MATSUBARA co., Ltd., Japan	Microstructure and mechanical property of Mg—Al— O-180 Ca alloys produced by High pressure casting Manabu Mizutani et al. SUMITOMO ELECTRIC INDUSTRIES, LTD, Japan
10:00-10:20	O-20	Effect of vanadium addition and cryogenic treatment on the development of carbidic austempered ductile iron Indrajit Chakrabarty et al. Indian Institute of Technology(Banaras Hindu University), India.	. O-50	Basic investigation into water cooling behavior of the high temperature green molding sand Yasuhiro. Maeda et al. Daido University	0-76	Development of Cooling System for Small Core Pin in Aluminum HPDC and Its Applications Suguru Takeda et al. Ahrasty Corporation, Japan	0-104	Technological conversion applicable for manufacturing elements from Nickel superalloy H282 Zenon Pirowski et al. Foundry Research Institute, Poland	0-133	Effect of Rare Earth Contant on Fatigue Strength of Spheroidal Graphita Cast Iron with Different Thickness Takafumi Funabiki et al. Muroran Institute of Technology, Japan	Prediction of hot tearing for a partially solidified biamuth bronze by using finite element method analysis Akira Masushita et al. Waseda University, Japan
10:20-10:40	0-21	The influence of strain induced martensitio transformation on machinability of ADI Adel A. Nofal et al. Central Metallurgical R&D Institute, Egypt	. O-51	Dynamic Testing of Green Sand Sam N. Ramrattan et al. Western Michigan University, United States	0-77	Effect of Manganese on Intermetallic layer Morphology between Dies and Al-Si alloy Deni Ferdian et al. Universitas Indonesia, Indonesia	0-105	Revert alloy impact on mechanical properties of nickel based superalloys used in production of aircraft engine ortical components Rafai Cygan Rzeszow University of Technology, Poland	0-134	Effect of Boron and Nitrogen Addition on the Solidification Microstructure and Hardness of High Speed Steel Type Mill Roll Kengo Yoshimoto et al. University of Kyushu, Japan	Tilting Motion Control of Automatic Pouring Ladle with Weir for Liquid Vibration Suppression Atsushi Ito et al. Toyohashi University of Technology, Japan
		COFFEE BREAK		COFFEE BREAK		COFFEE BREAK		COFFEE BREAK		COFFEE BREAK	COFFEE BREAK
		Ferrous Casting Production and Metallurgy A contribution to new material standards for Ductile		Mold and Coremaking Technology Development of the New style Green Sand Molding		Die Casting Development of Crack Prediction Simulation		People & Skills for Today's Industry Technology Transfer & Knowledge Management in Foundry Industry		Young Researchers Program	Young Researchers Program
11:00-11:20	0-22	Irons and Austempered Duotile Irons Franco Zanardi Zanardi Fonderie SpA, Italy	O-52	Development of the New style Green Sand Molding Machine Tokiya Terabe et al. SINTOKOGIO,LTD, Japan	0-78	Development of Crack Prediction Simulation Technology Nacio Nathmura et al. AISIN SEIRI Cottd., Japan	0-106	Semi-automatic data linkage and acquisition process for the preparation of Austampered Ductile Iron Dorota Wilk-Kolodziejczyk et al. University of Science and Technology, Poland	0-135	Erosive wear characteristics of heat treated multi- component cast iron containing Cr, V, Mn and Ni at elevated temperature Yao Zhang et al. Muroran institute of Technology, Japan	0-183 Multi-spiral flow benchmark for small thin-wall castings supported by computer simulation Himanshu Khandelwal et al. Indian Institute of Technology, India
11:20-11:40	0-23	Chemistry and Process Control in Production of High-Alloy Graphitic Irons Delin Li et al. Natural Resources Canada, Canada	0-53	Results of new developments for efficient and intelligent equipment in Vertical Moulding Machines Borja Garcia et al. Loramendi S. Coop., Spain	0-79	Direct measurements and process monitoring for high pressure die casting (HPDC) process Iban Vicario et al. Tecnalia Research and Innovation, Spain	0-108	Technology transfer through industry-University-government collaboration Meara K. Joseph et al. University of Johannesburg, South Africa	0-136	Effect of Joining Conditions on Joint Strength of Barium Titanate Brazed by Pure Molten Aluminum Ikuzo Goto et al. Akita University, Japan	Numerical Simulation of Aeration Sand Filling -High Pressure Squeeze Molding Method Zhang Gingdong et al. Tsinghua University, China
11:40-12:00	0-24	Microstructure and Mechanical properties of Y ₂ O ₃ - Strengthened Fe-Or Alloy Gestings for High Temperature Applications Shimaa H. El-Hadad et al. Central Metallurgical Research and Development Institute, Egypt	: 0-54	A successful machine and tooling concept to produce inorganic sand cores Gorka Paramo et al. Loramendi S. Coop., Spain	0-80	Reduction in Die-casting Burra by Shot Profile Control Kazuya Inoue et al. Alsin Selki Co.Ltd., Japan	O-109	Industry 4.0 and what it means to the foundry Industry Mark Lowis Omega Foundry Machinery Ltd, United Kingdom	0-137	Progressive Evaluation Method for Aluminium Alloys filtration process Marek Brûna et al. University of Zîlna, Slovakia	Impact behaviors of SS400 by apherical and tetrahedral solid particle through Finite Element simulation Let Xiao et al. Muroran institute of Technology, Japan
12:00-12:20	O-25	Development of Cast Steel Brake Disc with Heat Shook Resistance Nacki Harada et al. Kurimoto.LTD., Japan			0-81	Effect of vibration conditions and shear rate on the shape of solid particles in JIS AC4CH aluminum alloy slurry made by applying mechanical vibration Yuckin's Murakami et al. Advanced Industrial Science And Technology (AIST), Japan	1		0-138	Grain Refining Efficiency of Al Cast by Novel Al- Al ₂ Ni _{6.3} Ti Refiners Kazunori Mackawa et al. Nagoya Institute of Technology, Japan	O-180 Warran Institute of Technology, Japan
		LUNCH		LUNCH		LUNCH		LUNCH		LUNCH	LUNCH
14:00-14:20	O-28	Ferrous Casting Production and Metallurgy Hot Ductility Behavior of Continuous Casting Slab of Copper and Nickel Alloyed Steel Seckhwan Lee et al. Dong-A University, Korea			O-82	Die Casting Squeeze casting technology in production of high- strength monolithic aluminum alloys and aluminum matrix composites Piotr Dudek et al. Foundry Research Institute, Poland					
14:20-14:40	0-27	Development of New Casting Process for Heat-Resistant Cast Steel Zhong Zhi J. Zhang AISIN TAKAOKA CO.LTD, Japan			O-83	Multiple Spot Electron Beam Welding of Aluminium Die Castings Fabian M. Teichmann et al. Braunschweig University of Technology, Germany					
14:40-15:00	O-28	Effect of heat treatment condition on microstructure and mechanical properties of 2.5% Ni cast steel Takehito Hagisawa et al. The Japan Steel Works,LTD, Japan			0-84	A Chemical Pre-treatment Process for Adhesive Bonding of High-Pressure Die Cast Aluminum Alloys Torsten Schuchardt et al. Braunschweig University of Technology, Germany					

Poster Presentation

P1	Production of thin walled compacted graphite iron castings using different molding materials Marcin C. Górny et al.
	AGH-University of Science and Technology, Poland
P2	Application of Rare Earth Less and Rare Earth Reduced Spherodizer Yusuke Kiguchi et al. AISIN TAKAOKA CO., LTD, Japan
P4	Influence on the Fatigue Strength at Rare Earth content in the Spheroidizing agent Shinsuke Nagaumi et al. Muroran Institute of Technology, Japan
P5	Erosive Wear Characteristics of WC Cast-in Insert Cast Irons on high temperature environment Shunya Ishikawa et al. Muroran Institute of Technology, Japan
P6	Development of Hybrid Bio-cokes for Cast Iron Melting and Establishment of Cupola Operation Method Sadato Hiratsuka et al. Iwate University, Japan
P7	Development of the High Alloy Grain Cast Iron Roll with Superior Wear Resistance Tsuyoshi Odan et al. Kubota Corporation Hanshin Plant, Japan
P8	Control of Remote Area Shrinkage in Ductile Iron Castings Amjad Javaid et al. CANMET Materials, Natural Resources Canada, Canada
P9	Continuous Castings of Al-7mass%Si Alloy and Al-1.5mass%Mn Alloy by the Electromagnetic Vibration Technique Takuya Tamura et al. National Institute of Advanced Industrial Science and Technology (AIST), Japan
P10	Effect of reinforcement particles on the viscosity of the molten SiC _P /Al alloy composites Masayuki Mizumoto et al. Iwate University Japan
P11	Changes in Fatigue Life Behaviour of Alloy A359 and A359–Based Composites Bulk-Reinforced with SiC Particles as a Function of the Reinforcement Content Maria Maj et al. AGH University of Science and Technology, Poland
P12	Casting Solidification Structure of Titanium and Titanium Alloys using Oxide Cements Mold Yoshikazu Mantani et al. National Institute of Technology, Suzuka College Japan
P13	Fatigue and hydrogen embrittlement properties of Al-Mg-Zn series casting alloy with Cu addition Yudai Nasu et al. Graduate School of Okayama Prefectural University, Japan
P14	Shaping the Al-Si alloy microstructure and properties using the multipoint water mist cooling system Ryszard Władysiak et al. Lodz University of Technology, Poland
P15	Surface roughness of casting solidified in the frozen mold Naoki Omura et al. National Institute of Advanced Industrial Science and Technology, Japan
P16	Development of reformer tube material for reduction of environmental load Shigemoto Matsueda et al. Kubota Corporation, Japan
P17	Influence on Corrosion Resistance of Additive Element for Environmental–Friendly Brass Alloy Hiroshi Yamada et al. KURIMOTO, LTD., Japan
P18	Development of method for processing molten aluminum alloy involving de-phosphorus treatment Mayuki Morinaka et al. AISIN AW CO.,LTD., Japan
P19	Impact of Speed of Cooling of Initial Phase (α) and of Eutectics ($\alpha + \beta$) on Physical and Mechanical Properties of Al–Si–Mg Alloys Jerzy Zych AGH University of Science and Technology in Cracow, Poland
P20	Mechanical properties with thixo-extrusion of the semi-solid 7075 Aluminum alloy Jae-Chan Jo et al. Gyeongsang National University, Korea
P21	Effect of boron on the grain boundary morphology and creep property in nickel-based superalloy LESS 1 Jong-Cheon Yoon et al. Sungkyunkwan University, Korea
P22	Damage Behavior of Micro Segregation in Al-Si Alloy by Use of Phase Contrast Imaging Ryusuke Yamada et al. University of Kyushu, Japan
P23	Fabrication of Fine Diamond Dispersed Metal-Based Grinding Wheel by a Centrifugal Mixed-Powder Method Eri Miura-Fujiwara et al. University of Hyogo, Japan

Poster Presentation

Reduction of CO ₂ emission by new melting system*DIFIO*, and the motern metal quality and the mechanical properties Yaske Wakite et al.		
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