

ICMS2015 Oral presentation

October 28, 2015

Session 1 Chair: Liu Tie			
9:50 ~ 12:00	K1	Eric Beaugnon	Anomalous magnetism in liquid pure cobalt and cobalt alloys
	1001	Kazuhiko Iwai	Solute distribution control using electromagnetic vibration
	1002	Jun Wang	Under what conditions can normal field instability exist in liquid metal?
	1003	Reisho Onodera	Nano-crystallization kinetics of the $\text{Fe}_{83.3}\text{Si}_4\text{B}_8\text{P}_4\text{Cu}_{0.7}$ amorphous alloy under a high magnetic field
	1004	Jiang Wang	Influence of thermoelectric magnetic effect on the structure formation of near-eutectic alloys during magnetic field assisted directional solidification

Session 2 Chair: Yoshifumi Tanimoto			
13:30 ~ 15:15	K2	Peng Shang	Static magnetic fields modulate differentiation of osteoblast and osteoclast
	1005	Kyle A. Baldwin	Using Gradient Magnetic Field to Study the Inhibition of the Rayleigh-Taylor Instability by Rotation
	1006	Hiroaki Yonemura	Effects of Magnetic and Plasmonic Fields on Photocurrents of Donor-Acceptor Linked Compound-Gold Nanoparticle Composite Films
	1007	Agnieszka Franczak	Magnetic field effects on lanthanide ions and possibility of their separation

Session 3 Chair: Eric Beaugnon			
15:40 ~ 17:25	K3	Tie Liu	Effect of high magnetic field on Ostwald ripening for particles in solid/solid system
	1008	Asuka Maruyama	Application of Oscillating Electromagnetic Field to Collision Enhancement among Inclusions in Molten Metal
	1009	Suke Yoshi Yamamoto	Determination of Easy and Hard Axes of Cementite
	1010	Hua Zhong	Growth Behaviour of High-order Dendritic Sidebranches in the Presence of a High Static Magnetic Field

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Session 4 Chair: Noriyuki Hirota			
9:00 ~ 10:20	K4	Nikolai N. Bogolubov Jr.	Variational Master Equation Approach to Dynamics of Magnetic Moments
	2001	Moondra Zubir	Magnetic Field Effects on Pore Properties of Porous Coordination Polymer Comprising Zn^{2+} , Triazole, and Oxalic Acid
	2002	Takashi Fukuda	Disorder-Order Transformation of a Near Equiatomic Fe-Pd Alloy under Magnetic Field

Session 5 Chair: Masuhiro Yamaguchi			
10:45 ~ 12:00	2003	Masafumi Yamato	Anisotropy of Nanocomposite Gels polymerized in a Magnetic Field
	2004	Roger Rikken	Probing and manipulating polymersome morphologies in magnetic fields.
	2005	Fumiko Kimura	Application of Magnetically Oriented Powder Crystal to X-ray and Neutron Diffraction Measurements

Session 6 Chair: Jean-Paul Chopart			
13:30	K5	Hans Engelkamp	Magnetic switching of supramolecular chiral induction
~	2006	Atsushi Sugiyama	Morphology of Nucleus Formed on a Free Electrode Surface without Friction under a High Magnetic Field
15:15	2007	Ryoichi Aogaki	Chiral Catalytic Activity by the Suppression of 2D Nucleation in Magneto-electrodeposition
	2008	Da-Chuan Yin	A high-throughput protein crystallization array in high magnetic field

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Session 7 Chair: Peng Shang			
	K6	Hitoshi Watarai	Magneto-Optical Measurements of Magnetic Nanoparticles in Solution and Interface
9:00	3001	Yoshifuru Mitsui	Kinetic arrest behavior in Cr-substituted Mn ₂ Sb
~	3002	Tsutomu Ando	Development of recovery device for particulates in fluid by magneto-Archimedes separation
11:10	3003	Noriyuki Hirota	Effects of high magnetic fields on feeble magnetic fluids flow
	3004	Liang Liao	The equilibrium shapes and stability of highly charged spinning droplets

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Session 8 Chair: Isao Yamamoto			
9:00	K7	Jean-Paul Chopart	Doped-oxide magneto-electrodeposition
~	4001	Yoshinori Iiguni	Measurement of electromagnetophoretic migration velocity based on AC electromagnetophoresis combined with light scattering detection using the magnetic path microchip
10:20	4002	Iwao Mogi	Surface Chirality Tailored by Micro-MHD Effects and Specific Adsorption

Session 9 Chair: Tsunehisa Kimura			
10:45	4003	Tohru S Suzuki	Control of multi-axis orientation in ceramics by geometric effect and magnetic field
~	4004	Isao Yamamoto	Magnetic fields effects on polymorphism and morphology of crystals precipitated by LLIP method
12:00	4005	Shigeo Sasahara	Magnetic fields effect on silica aggregation process

Presentation time

Keynote presentation: 30 min.

General presentation: 25 min.