ASME-JSME-KSME Joint Fluids Engineering Conference2011

2011年7月24日（日）～29日（金）

S14. 10th Symposium Transport Phenomena in Materials Processing and Manufacturing Processes

Symposium Organizers	
Takatsune Narumi *	Faculty of Engineering, Niigata University
Dennis A. Siginer *	The Petroleum Institute
Younjea Kim *	Sungkyunkwan University
Shigeomi Chono	Kochi University of Technology
Tsutomu Takahashi	Nagaoka University of Technology
Patrick Bourgin	Ecole Centrale de Lyon
M'hamed Boutaous	INSA de Lyon
Hyung-Hee Cho	Yonsei University

S14. 10th Symposium Transport Phenomena in Materials Processing and Manufacturing Processes

S14-01. Transport Phenomena in Materials Processing and Manufacturing Processes (1)

Jul. 27 (Wed.), 08:30 - 10:30, Room #52

Session Chairs:

Dr. T. Hasegawa (Niigata University)

Prof. T. Takahashi (Nagaoka University of Technology)

AJK2011-14014	Influence of Shear Rate History on Generation of Shear-Induced Structure of Wormlike Micelles Solutions
	S. Chiba, M. Ito, S. Fujii, T. Takahashi (Nagaoka University of Technology)
AJK2011-14008	Numerical Analysis of Three-Dimensional Flows of Wormlike Micelles Solutions through Abrupt Contraction using a Modified Bautista-Manero Model
	T. Yamamoto (Osaka Univ)
AJK2011-14020	Influence of Counter-Ion Concentration on the Impinging Jet of Surfactant Solutions
	T. A. Nguyen, H. Mizunuma (TMU)
AJK2011-14013	Effect of the Ice Thickness on the Performance of the Medicated Water Electrolysis Apparatuses
	Y. Kim (Sungkyunkwan University), S. Jeon, S. Lee (Graduate School of Mechanical Engineering, Sungkyunkwan University)
AJK2011-14015	Numerical Study on the Thermal Characteristics of Large Sized Silicon Polycrystal Growth by DS Method
	Y. Kim (Sungkyunkwan University), H. Seo (Graduate School of Mechanical Engineering, Sungkyunkwan University)

S14-02. Transport Phenomena in Materials Processing and Manufacturing Processes (2)

Jul. 27 (Wed.), 11:00 - 13:00, Room #52

Session Chairs:

Prof. Y. Kim (Sungkyunkwan University)

Dr. P. Bourgin (Ecole Centrale de Lyon)

AJK2011-14002	Anomalous Decrease in Flow Rates of Micro-Orifice Flows of Water with Increasing the Elapsed Time After Inception of the Flow
	T. Hasegawa (Niigata University), A. Ushida (Venture Business Labolatory, Niigata University), H. Uchiyama (Graduate School of Science and Technology, Niigata University), T. Narumi (Faculty of Engineering, Niigata University)
AJK2011-14003	Flow Properties for Several Kinds of Liquid Flows through Micro-Orifice
	A. Ushida (Niigata Unversity), T. Hasegawa, H. Uchiyama, T. Narumi (Niigata University)
AJK2011-14021	Flow Induced Crystallization of Colloidal Dispersion
	S. Toga (Toyama National College of Technology), T. Narumi (Faculty of Engineering, Niigata University)
AJK2011-14009	Numerical Analysis of Two-Phase Flow in Fluidized Bed Reactor with Jet Nozzle for Poly-Silicon Growth
	H. Kim, H. Lee, J. Song, H. Moon, H. Cho (Department of mechanical engineering, Yonsei University), Y. Park, Y. Chung (SILICONVALUE LLC.)
AJK2011-14010	Mechanical Properties of Complex Structure Formed from Electroconvection State of Smectic Liquid Crystal
	T. Narumi (Faculty of Engineering, Niigata University), H. Hoshi, T. Muraki (Graduate School of Science and Technology, Niigata University), T. Hasegawa (Faculty of Engineering, Niigata University)
AJK2011-14018	Driving Performance of Liquid Crystalline Actuators
	Y. Zhou, T. Tsuji, S. Chono (KUT)

S14-03. Transport Phenomena in Materials Processing and Manufacturing Processes (3)
Jul. 27 (Wed.), 16:00 – 17:00, Room #52
Session Chairs:
Prof. S. Chono (Kochi University of Technology)
Prof. T. Narumi (Faculty of Engineering, Niigata University)

AJK2011-14004	Rheo-Optic Stress Measurement between Small Bubbles under Pressure-Oscillating Field
	S. Iwata, A. Aritake, H. Mori (Department of Material Engineering, Nagoya Institute of Technology), T. Takahashi (Department of Mechanical Engineering, Nagaoka University of Technology)
AJK2011-14011	Influence of Acoustic Pressure and Flexural Vibration on Friction Reduction Effect by Ultrasonic
	T. Nakayama (Department of Mechanical Engineering, Graduate School of Science and Technology, Nihon University), M. Ochi, K. Kofu (Department of Mechanical Engineering, College of Science & Technology, Nihon University)