The Ninth JSME-KSME Thermal and Fluids Engineering Conference (TFEC9)
October 27-30, 2017, Okinawa, Japan

F11. Non-Newtonian Fluid Mechanics 1

Chairperson: Tsutomu Takahashi (Nagaoka University of Technology)

TFEC9-1214:
Flow Properties of Surfactant Solutions Passing through Small-Sized Slits,
Taisuke Sato (Niigata Univ.), Akiomi Ushida (Niigata Univ.), Takatsune Narumi (Niigata Univ.)

TFEC9-1247:
Flow-Induced Fiber Orientation in Cellulose Nanofiber Suspension Flow through a Channel with Complex Geometry,
Kazunori Yasuda (Ehime Univ.), Katsuhiro Ando (Ehime Univ.), Yukiharu Iwamoto (Ehime Univ.), Motosuke Sogo (Ehime Univ.)

TFEC9-1547:
Macroscopic Electric Polarization of Liquid Crystals Under Shear Flows,
Yugo Tamura (Graduate School of Kochi Univ. of Technology), Tomohiro Tsuji (Kochi Univ. of Technology), Shigeomi Chono (Kochi Univ. of Technology)

TFEC9-1394:
A Novel Study of Bubbles Rising in a Hydrophobically Modified Alkali-Soluble Emulsion Polymer Solution,
Shohei Yamamoto (Tokushima Univ.), Shugo Fujimoto (Tokushima Univ.), Mitsuhiro Ohta (Tokushima Univ.), Shuichi Iwata (Nagoya Inst. of Technology)

TFEC9-1376:
Development of Amorphous Actuators Driven by Liquid Crystal Flows,
Rinko Matsuda (Kochi Univ. of Technology), Tomohiro Tuji (Kochi Univ. of Technology), Shigeomi Chono (Kochi Univ. of Technology)

F11. Non-Newtonian Fluid Mechanics 2

Chairperson: Ruri Hidema (Kobe University)

TFEC9-1069:
Evaluation of Planar Elongation Viscosity Using Disk Shaped Bob, Yukinobu Sugihara (Nagaoka Univ. of Technology), Tsutomu Takahashi (Nagaoka Univ. of Technology)

TFEC9-1490:
Observation of Shear-Thinning Droplet Impact Simulating Marine Paint Coating Process,
Shuhei Fujimoto (National Maritime Research Inst.)

TFEC9-1562:
A Study on Yield Behavior of Clay Dispersing Colloidal Gels,
Ippei Homma (Nagaoka Univ. of Technology), Tsutomu Takahashi (Nagaoka Univ. of Technology), Atsushi Sogabe (Shiseido Global Innobation Center)

TFEC9-1566:
Mixing Peformance of Large Paddle Impellers in Shear-Thinning Fluid,
Haruki Furukawa (Nagoya Inst. of Technology), Norihisa Nakamura (Nagoya Inst. of Technology), Yoshihito Kato (Nagoya Inst. of Technology)

TFEC9-1417:
A Study on Influence of Cell Surface Roughness Yield Stress in α gels,
Yasunori Sato (Nagaoka Univ. of Technology), Ippei Homma (Nagaoka Univ. of Technology), Tsutomu Takahashi (Nagaoka Univ. of Technology)

F11. Non-Newtonian Fluid Mechanics 3
Chairperson: Shuichi Iwata (Nagoya Institute of Technology)

TFEC9-1332:
Computational Model for Microorganism Suspensions Based on Multi-Particle Collision Dynamics,
Takehiro Yamamoto (Osaka Electro-Communication Univ.), Kunpei Isami (Osaka Univ.)

TFEC9-1077:
Effect of Viscoelastic Mach Numbers on Propulsive Forces of a Model Helical Flagellum in a Viscoelastic Fluid,
Kazuya Tajima (Chiba Univ.), Fumihiko Mikami (Chiba Univ.)

TFEC9-1198:
Flow Behavior of Viscoelastic Fluid in Sudden Expansion and Sudden Contraction Channel, Takuya Tazawa (Doshisha Univ.), Haruhiko Yamasaki (Doshisha Univ.), Hiroshi Yamaguchi (Doshisha Univ.)

TFEC9-1558:
Flow Characteristics of Viscoelastic Fluids with Abrupt Contraction Channels,

Ruri Hidema (Kobe Univ.), Yuki Tanino (Kobe Univ.), Hiroshi Suzuki (Kobe Univ.), Yoshiyuki Komoda (Kobe Univ.), Kosuke Suzuki (Kobe Univ.)

TFEC9-1487:
Flow Resistance in Axial Annular Flow of Concentrated Particle Suspensions,
Takashi Koshiba (National Inst. of Technology, Nara College), Takehiro Yamamoto (Osaka Electro-Communication Univ.)

F11. Non-Newtonian Fluid Mechanics 4
Chairperson: Takehiro Yamamoto (Osaka Electro-Communication University)

TFEC9-1524:
Injection Characteristics of Viscoelastic Fluids from a Nozzle, Daichi Okada (Kobe Univ.), Kento Nakatani (Kobe Univ.), Ruri Hidema (Kobe Univ.), Hiroshi Suzuki (Koe Univ.), Yoshiyuki Komoda (Kobe Univ.), Kosuke Szuki (Kobe Univ.)

TFEC9-1584:
Experimental Study of Physical Absorption Rate by Pressure-Oscillation,
Keita Yamamoto (Nagoya Inst. of Technology), Shuichi Iwata (Nagoya Inst. of Technology), Ryo Nagumo (Nagoya Inst. of Technology), Hideki Mori (Nagoya Inst. of Technology), Tsutomu Takahashi (Nagaoka Univ. of Technology)