

8th Pacific Rim Conference on Rheology

Wednesday 17 May 2023

Non-Newtonian Fluid Mechanics and Stability - Room 200 (14:00 - 15:40)

-Conveners: Shinji Tamano

time	[id] title	presenter
14:00	[30] KEYNOTE: COMPUTATIONAL ROD CLIMBING AND DIPPING DEPENDENT UPON NORMAL STRESSES	KWON, Youngdon
14:40	[62] Alignment of wormlike micelles under shear flow: Comparison with polymers	KOIDE, Yusuke
15:00	[140] MOLECULAR DYNAMICS SIMULATION OF THE BEHAVIOR OF THIN LUBRICATION FILM	LIU, Dongjie
15:20	[15] Effect of viscosity contrast in structure -rheology relationship in sheared lamellar mesophase in 3-D	PAL, Arkaprava

Non-Newtonian Fluid Mechanics and Stability - Room 200 (16:10 - 17:50)

-Conveners: Li Xi

time	[id] title	presenter
16:10	[74] KEYNOTE: Psychorheology: toward understanding how we experience viscous and viscoelastic materials	Dr MARTIN, Jeffrey
16:50	[84] Modelling drop mobility on lubricated surfaces using a ternary free energy lattice Boltzmann algorithm	Dr OROZCO-FUENTES, Sirio
17:10	[111] Analysis of pulsatile flows of complex fluids in two-dimensional channels	Ms PARK, Nayeon
17:30	[117] Solving the closure problem for dilute polymer solutions	Prof. ANSUMALI, Santosh

Thursday 18 May 2023

Non-Newtonian Fluid Mechanics and Stability - Room 200 (10:30 - 12:10)

-Conveners: Miguel Moyers

time	[id] title	presenter
10:30	[64] Rheological effects on purely-elastic flow asymmetries in the cross-slot geometry	YOKOKOJI, Arisa
10:50	[26] FLOW OF A WORMLIKE MICELLAR SOLUTION OVER A LONG CAVITY	Mr HILLEBRAND, Fabian
11:10	[66] EFFECTS OF CHANNEL LENGTH IN EXPANSION PARTS ON FLOW REGIMES OF POLYMER SOLUTION IN CONSECUTIVE ABRUPT CONTRACTION-EXPANSION CHANNELS	Prof. HIDEEMA, Ruri
11:30	[124] Instabilities in immiscible multi-layer viscous shear flows in the presence of interfacial slip	KATSIAVRIA, Anna
11:50	[198] EFFECT OF ULTRASOUND FIELDS ON ASPHALTENE-LADEN W/O INTERFACES: A MICRORHEOLOGY APPROACH	KHALESİ MOGHADDAM, Razie

Non-Newtonian Fluid Mechanics and Stability - Room 200 (14:00 - 15:40)

-Conveners: Ian Frigaard

time	[id] title	presenter
14:00	[51] GAS PROPAGATION THROUGH POROUS MEDIA FILLED WITH YIELD-STRESS FLUID	POURZAHEDI, Ali
14:20	[110] Localization of stirring flows: the effect of the yield stress	DANESHVAR GARMROODI, Mohammad Reza
14:40	[151] Thin-film flow of a Bingham fluid over topography with a temperature dependent rheology	MOYERS, Miguel
15:00	[77] Damping of surface waves by a floating viscoplastic plate	WANG, Xuemeng
15:20	No talk scheduled.	

Friday 19 May 2023

Non-Newtonian Fluid Mechanics and Stability - Room 100 (10:30 - 11:50)

-Conveners: Ruri Hidema

time	[id] title	presenter
10:30	[67] KEYNOTE: Effect of local relaxation time on drag reduction in turbulent boundary layer flow of viscoelastic fluids	Prof. TAMANO, Shinji
11:10	[121] Turbulent drag reduction with flexible and rigid polymer solutions: from low to maximum drag reduction	MITISHITA, Rodrigo
11:30	[79] Relating elastoinertial turbulence to the phenomenology of polymer drag reduction	XI, Li