

IV BRAZILIAN CONFERENCE ON RHEOLOGY

FINAL PROGRAM

July 2nd, Wednesday

- 10:00h-10:20h – Technical Sessions
 10:00h-10:20h - BCR4-16
 10:20h-10:40h - BCR4-26
 10:40h-11:00h - BCR4-27
- 11:00h-11:20h – Coffee Break
11:20h-12:20h – Lecture – **Prof. Morton Denn**
12:20h-14:20h – Lunch
14:20h-15:40h – Technical Sessions
 14:20h-14:40h - BCR4-11
 14:40h-15:00h - BCR4-12
 15:00h-15:20h - BCR4-07
 15:20h-15:40h - BCR4-14
- 15:40h-16:00h – Coffee Break
16:00h-17:20h – Technical Sessions
 16:00h-16:20h - BCR4-24
 16:20h-16:40h - BCR4-25
 16:40h-17:00h - BCR4-30
 17:00h-17:20h - BCR4-30

July 3rd, Thursday

- 10:00h-10:20h – Technical Sessions
 10:00h-10:20h - BCR4-29
 10:20h-10:40h - BCR4-08
 10:40h-11:00h - BCR4-09
- 11:00h-11:20h – Coffee Break
11:20h-12:20h – Lecture – **Prof. Daniel Bonn**
12:20h-14:20h – Lunch
14:20h-15:40h – Technical Sessions
 14:20h-14:40h - BCR4-13
 14:40h-15:00h - BCR4-19
 15:00h-15:20h - BCR4-03
 15:20h-15:40h - BCR4-05
- 15:40h-16:00h – Coffee Break
16:00h-17:20h – Technical Sessions
 16:00h-16:20h - BCR4-21
 16:20h-16:40h - BCR4-04
 16:40h-17:00h - BCR4-01
 17:00h-17:20h - BCR4-02

July 4th, Friday

10:00h-10:20h – Technical Sessions

10:00h-10:20h - BCR4-28

10:20h-10:40h - BCR4-18

10:40h-11:00h - BCR4-23

11:00h-11:20h – Coffee Break

11:20h-12:20h – Lecture – **Prof. Gilmar Mompean**

12:20h-14:20h – Lunch

14:20h-15:40h – Technical Sessions

14:20h-14:40h - BCR4-17

14:40h-15:00h - BCR4-22

15:00h-15:20h - BCR4-10

15:20h-15:40h - BCR4-15

15:40h-16:00h – Coffee Break

16:00h-17:20h – Technical Sessions

16:00h-16:20h - BCR4-02

16:20h-16:40h - BCR4-06

16:40h-17:00h - BCR4-31

17:00h-17:20h - BCR4-32

BCR4-01 – *Methods of assays for definition of the composition of the paste in self- compacting concrete (SCC)*, L. F. Santos, M. P. Barbosa, G. F. Maciel and F. M. Salles

BCR4-02 – *The rheological and mechanical behavior of the different Brazilian grouts*, F. S. Bertolucci, M. P. Barbosa, G. F. Maciel and M. A. Ferreira

BCR4-03 – *Rheological study of asphalt binders*, M. G. Mothé, L. F. M. Leite and C. G. Mothé

BCR4-04 – *Roll waves in hyperconcentrated flows with free surface*, F. O. Ferreira, G. F. Maciel, A. S. Vieira and L.O. B. Leite

BCR4-05 – *Mechanical properties of asphalt binders*, L. F. M. Leite, L. A. H. Nascimento and M. C. Cravo

BCR4-06 – *Rheology evaluation of mucoadhesive drug delivery systems*, F. C. Carvalho V. H. V. Sarmiento, M. S. Barbi and M. P. D. Gremião

BCR4-07 – *Elasticity in petroleum pitches*, A. M. Santos, L. D. de Castro, C. H. M. de Castro Dutra

BCR4-08 – *Wall slip during the flow of Carbopol solutions through a parallel plate channel*, P. R. de Souza Mendes, R. A. B. Pereira and J. Pedrón

BCR4-09 – *Liquid-liquid displacement flows in a Hele-Shaw cell including viscoplastic effects*, P. R. de Souza Mendes and P. R. Vargas

BCR4-10 – *Numerical analysis by Brezzi's theorem for a regularized stabilized mixed FEM formulation for viscoplastic fluids*, C. O. Faria and J. Karam F.

BCR4-11 – *The flow of a SPTT fluid over an oscillating flat plate*, F. T. Pinho and D. O. A. Cruz

BCR4-12 – *Numerical solution of the PTT constitutive equation for three-dimensional free surface flows*, M. F. Tomé and G. S. de Paulo

- BCR4-13 – *Liquid-liquid displacement flows in an annular space including viscoplastic effects*, P. R. de Souza Mendes, J. Celnik, and F. H. Marchesini
- BCR4-14 – *Rheological behavior of aqueous dispersion of heavy oil*, C. S. Sousa Junior and C. G. Mothé
- BCR4-15 – *Numerical study of ceramic pastes extrusion*, R. B. O. Jardirm, M. S. Carvalho, M. F. Naccache and S. S. X. Chiaro
- BCR4-16 – *Application of tensor decomposition theorems on DNS data of viscoelastic drag reducing channel flow*, R. L. Thompson, L. Thais and G. Mompean
- BCR4-17 – *Finite element analysis for the flow of Bingham fluids through a planar sudden expansion* F. S. Silveira, F. F. Zinani, M. L. Martins-Costa and S. Frey
- BCR4-18 – *Dynamic flow classification*, R. L. Thompson
- BCR4-19 – *Fluid-fluid displacement in a capillary tube*, E.J. Soares, R. L. Thompson, M.S. Carvalho, D.A. Sousa and M.R. Mesquita
- BCR4-20 – *Particle sedimentation in a time dependent viscosity fluid*, R. A. Gandelman, R. Bastos, H. C. M. Guilherme, G. H. Pinto and A. L. Martins
- BCR4-21 – *Effect of poly(ethylene tereftalate) oligomers addition on asphalt Rheology*, F. L. Silva and M. L. Dias
- BCR4-22 – *Numerical study of inertialess flows of SMD fluids around a cylinder confined between parallel plates by a Galerkin least-squares multifield method*, D. Dall'Onder Santos, F. F. Zinani, M. L. Martins-Costa and S. Frey
- BCR4-23 – *Rheology of thin liquid films – Newtonian vs. non Newtonian dynamics*, D. Barbero and U. Steiner
- BCR4-24 – *Effect of solid content, pH and deflocculant concentration viscosity of kaolin slurries*, C. N. Barbato, S. C. A. França, M. Nele and J. C. Pinto
- BCR4-25 – *Controlled-rate control in rheometers: Extremely low angular speeds and new applications*, J. Nijman, P. Sierro, U. Schulz and H. M. Petri
- BCR4-26 – *Capillary network model for emulsion flow in porous media*, M. I. Romero, M. S. Carvalho and V. Alvarado
- BCR4-27 – *Flow of oil-water emulsions through constricted capillaries*, M. E. Montalvo, M. S. Carvalho and V. Alvarado
- BCR4-28 – *Structure of eigenfunctions in the linear stability of plane Couette flow of UCM fluid*, J. V. Valerio, C. Tomei and M. S. Carvalho
- BCR4-29 – *Sufficient conditions for a thermodynamically consistent modeling of fluid behavior*, H. Costa-Mattos
- BCR4-30 – *New advances in rheological measurements*, A. Elmoumni
- BCR4-31 – *Thirteen Years of EC-Motors in Rotational Rheometers*, J. Läger
- BCR4-32 – *Electrorheology of clay particles suspended in oil*, J. O. Fossum, Y. Meheust, B. Wang, K. P.S. Parmar, B. Schelderupsen and Z. Rozynek