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803rd Conference

Scientific Program

International Conference on

Rheology and Fluid Mechanics

November 10-11, 2016 Alicante, Spain



Hosting Organization: Conference Series LLC
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Day 1 November 10, 2016

08:00-09:00 Registrations

Almirante

conferenceseries.com **09:00-09:25** Opening Ceremony

Keynote Forum

09:25-09:30 Introduction

09:30-10:15 Title: On organized complex systems, chaotic dynamics and emergence in natural systems
Fred J Molz, Clemson University, USA

10:15-11:00 Title: Anomalous response of nematic platelets under LAOStress and strain revealed by 3D Rheo-SAXS
M P Lettinga, Institute of Complex Systems-3, Germany

Networking & Refreshment Break @ 11:00-11:20

Sessions: Suspensions, Emulsions & Colloids | Self-Assembled Systems & Gels | Food Rheology & Bio-Rheology | Micro-rheology

Session Chair: Fred J Molz, Clemson University, USA
Session Co-chair: Michael Polhuis, Cooperative AVEBE u.a., Netherlands

Session Introduction

11:20-11:50 Title: Dynamic-Scale Modeling of non-Brownian suspensions including suspension/structure interactions
Talib Dbouk, University of Lille/ Ecole des Mines de Douai, France

11:50-12:20 Title: Uniaxial extension of polymer solutions as the main rheological factor in fiber spinning procedure
Valery Kulichikhin, Institute of Petrochemical Synthesis-RAS, Russia

12:20-12:50 Title: Short- and long-time rheological properties of suspensions of solid particles at arbitrary volume fractions
Iván Santamaría Holek, Universidad Nacional Autónoma de Mexico, Campus Juriquilla, Mexico

Lunch Break 12:50-13:50

13:50-14:20 Title: Nonlinear response of hydrated polymer under sub-nanometer oscillatory shear
Masami Kageshima, Kansai Medical University, Japan

14:20-14:50 Title: Elucidation of starch ether anti-slip mechanism in ceramic tile adhesives using focused beam reflectance measurements and rheometry of cement pastes
Michael Polhuis, Cooperative AVEBE u.a., Netherlands

14:50-15:20 Title: Rotational flow of nonlinear drilling mud
Nariman Ashrafi, Payame Noor Universtiy, Iran

Panel Disscussion

Young Researchers Forum

15:20-15:40 Title: Hemodynamics and hemolysis of blood flow through mechanical aortic heart valves: A numerical study
Anh V Nguyen, University of Rome Tor Vergata, Italy

Networking & Refreshment Break @ 15:40-16:00

16:00-16:20 Title: Rheological characterization of tropical fruits smoothies
Somaris E Quintana, University of Cartagena, Colombia

16:20-16:40 Title: Determination of pressure and dissipation with a view towards its application in stenotic valves
Helena Svihlova, Charles University, Czech Republic

16:40-17:00 Title: Numerical research of steady fluidic characteristics inside triangular and trapezoidal enclosures
Bo AN, Univeritat Politècnica de Catalunya, Spain

Panel Disscussion

Day 2 November 11, 2016

Almirante

Sessions: Microfluidics & Nano Fluidics | Drag Reduction | Biofluid Mechanics | Environmental Fluid Mechanics

Session Chair: Valery Kulichikhin, Institute of Petrochemical Synthesis, Russia
Session Co-chair: Iván Santamaría Holek, Universidad Nacional Autónoma de Mexico, Campus Juriquilla, Mexico

Session Introduction

09:30-10:00	**Title: Polymer induced turbulent drag reduction in a rotating disk apparatus** **Ke Zhang,** Harbin Institute of Technology, China
10:00-10:30	**Title: An exploratory mathematical analysis of deterministic chaotic dynamics in a four-component microbial system** **Fred J Molz,** Clemson University, USA

Networking & Refreshment Break @ 10:30-10:50

10:50-11:20	**Title: Rheometry in soil science: An appropriate method to understand the microstructural deformation behavior of soils** **Nina Stoppe,** Christian Albrechts Universität zu Kiel, Germany
11:20-11:50	**Title: Linear and nonlinear rheological characterization of self-assembling polymeric systems for enhanced oil recovery** **Suresh Kumar Yatirajula,** Indian School of Mines, India
11:50-12:20	**Title: Viscoelastic squeeze flow** **Nariman Ashrafi,** Payame Noor Universtiy, Iran

Poster Presentations @ 12:20-12:50

RFM-001	**Title: The influence of thermic treatment on viscoelastic properties of squash (Cucurbita moschata) pulp** **Luis A García-Zapateiro,** Universidad de Cartagena, Colombia
RFM-002	**Title: Rheology of combined solutions cellulose-PAN, hybrid fibers spinning and their thermolysis** **Anna K Berkovich,** Lomonosov Moscow State University, Russia

Panel Disscussion

Awards & Closing Ceremony @ 12:50-13:00

Lunch Break 13:00-14:00

Bookmark Your Dates

2nd International Conference on

Rheology & Fluid Mechanics

August 21-22, 2017 Paris, France

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