

JEFS - Journées Écoulements & Fluides - Saclay

Monday, June 17, 2024

Présentations (9:30 AM - 10:50 AM)

-Conveners: Harold Auradou

time	[id] title	presenter
9:30 AM	[13] Rheology of a granular medium mixed to flexible fibers	WIERZCHALEK, Ladislav
9:50 AM	[18] Drag reduction in the side-by-side motion of intruders in a granular medium	DARBOIS TEXIER, Baptiste
10:10 AM	[32] A bulk averaging method to upscale non-equilibrium heat transfer in porous media with inertial flow	BENDALI, Yanis
10:30 AM	[14] On Poiseuille flow for shear-thickening fluids	TALON, Laurent

Présentations (11:20 AM - 12:40 PM)

time	[id] title	presenter
11:20 AM	[19] The key role of inertia in the Plateau-Rayleigh instability for liquid-vapour water system	RYKNER, Matthieu
11:40 AM	[17] Virial Theorem and Its Applications in Instability of Two-Phase Water-Wave	YANG, Haocheng
12:00 PM	[27] Stability and resolvent analysis of a turbulent separation bubble	SARRAS, Konstantinos
12:20 PM	[23] Noise sustained versus self-sustained structures in rotor-stator flow	GESLA, Artur

Présentations (2:00 PM - 3:20 PM)

-Conveners: Nicolas GRENIER

time	[id] title	presenter
2:00 PM	[21] Turbulent Convection: Numerical Modeling and Physics Enhanced Machine Learning.	MRINI, Soufiane
2:20 PM	[10] Combining an a priori space-time separated model-order reduction technique to the Particle Finite Element Method	BECKERMANN, Max
2:40 PM	[31] Analyse en composantes principales (POD) des grandes échelles de l'écoulement de von Kármán turbulent	BOUSQUET, Rémi
3:00 PM	[20] Simulation des premiers instants de la balistique d'un obus avec une méthode de maillages mobiles.	GUERMONPREZ, Gabin

Présentations (3:40 PM - 4:40 PM)

-Conveners: Laurent TALON

time	[id] title	presenter
3:40 PM	[12] Algal bioconvection in confined dispersed media	NICOLAZO-CRACH, Victoria
4:00 PM	[11] Swimming dynamics and efficiency in diatom chain colonies	LE DREFF, Julien

4:20 PM	[30] Utilisation de la microfluidique pour la filtration et la séparation de bactéries motiles	Mr GARGASSON, Adam
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Présentations (9:30 AM - 10:50 AM)

time	[id] title	presenter
9:30 AM	[25] Approche d'une sphère vers une paroi dans une suspension dense	ZIDI, Koceila
9:50 AM	[7] Interactions multi-échelles en convection de Rayleigh Bénard avec une plaque rugueuse	Mr CARBONNEAU, Nathan
10:10 AM	[9] La turbulence d'ondes internes de gravité : un modèle pour la dynamique océanique à petite échelle ?	CORTET, Pierre-Philippe
10:30 AM	[22] Collection d'ondes induites en canal par le mouvement impulsional d'un piston	MORIZE, Cyprien

Présentations (11:20 AM - 12:40 PM)

-Conveners: Christian Tenaud

time	[id] title	presenter
11:20 AM	[29] Direct Numerical Simulation of single bubble dynamics in nucleate pool boiling with micro-region modeling and thermal coupling to a solid wall	WEI, Linkai
11:40 AM	[34] Two-fluid Compressible Flows with Multiresolution Adaptive Mesh Refinement	WU, Gen
12:00 PM	[35] A COUPLING VOF/ LEVEL-SET EMBEDDED BOUNDARY METHOD TO MODEL TWO PHASE FLOWS ON ARBITRARY SOLID SURFACES: APPLICATION TO WETTING AND SOLIDIFICATION	TAVARES, mathilde
12:20 PM	[8] Rise and fall of a multicompoent droplet in a surrounding fluid.	HENRY, Herve

Présentations (2:00 PM - 3:20 PM)

-Conveners: Pierre-Philippe Cortet

time	[id] title	presenter
2:00 PM	[28] Solidification de gouttes impactant une surface liquide	BERRY, Marion
2:20 PM	[16] Role of melting and solidification in the spreading of an impacting water drop	Dr SARLIN, Wladimir
2:40 PM	[24] Interaction entre un jet et une mousse.	GAICHIES, Théophile
3:00 PM	[26] Droplet dynamics in parallel plate capillary channels	THOMAS, Damien

Présentations (3:40 PM - 5:10 PM)

-Conveners: Anne SERGENT

time	[id] title	presenter
3:40 PM	[37] Prediction of transonic buffeting based on aeroelastic global stability analysis	PLATH, Matthias
4:00 PM	[36] VPP d'un kitefoil	RABAUD, Marc
4:20 PM	[33] Orientation préférentielle de flotteurs déformables dans des champs de vagues	DHOTE, Basile

4:40 PM	[39] Reduced models of turbulence	BIANCALANI, Alessandro
4:55 PM	[38] Impact force of a liquid drop containing a bubble	THORAVALL, Marie-Jean