

New Trends On Growth and Form -June 20-25 2010 Agay

Monday Morning (21st):

09h00 - 9h50: Invited lecture	Y.Couder	
09h50 - 10h10: Flash talks (4)	A.Eddi X.Noblin L.Lebon E.Reyssat	The Lattices Of Bound States Of Wave Interacting Particles: Structure And Excitation Modes Bouncing ball on a vibrated elastic membrane Drops orbiting inside a circular hydraulic jump in situation of non-coalescence. Hygromorphs
10h10 - 10h50: Oral presentations (2)	C.Cottin-Bizone E.Fort	Manipulating, Patterning And Powering Colloids Using Osmotic Forces TBD
10h50 - 11h20: Coffee break		
11h20 - 12h40: Oral presentations (4)	W.Zhang P.Legal J.Rajchenbach M.Rabaud	Bubble Break-Up: Memory-Encoding Vibrations Near A Singularity Breaking Of Deep Water Waves By Spatial Focalization New Water Waves. Local Forcing Of Interfacial Faraday Waves: Onset And Spatio-Temporal Structure

12h40 - 14h00: Lunch time

Monday Afternoon:

14h00 - 17h00: Free time for discussions		
17h00 - 17h50: Invited lecture	J.Gollub	Non-Equilibrium Phase Transitions In Flowing Dense Colloids And Suspensions
17h50 - 18h10: Flash talks (4)	M.Durand C.Gay J.Chopin C.Py	Statistical Mechanics Of Two-Dimensional Cellular Patterns Hidden Time Scale In Paste Of Deformable Grains. Propagation Of A Crack Front In Presence Of A Controlled Disorder Magnetic Swimmers
18h10 - 19h45: Poster Session I		
19h45 - 21h00: Dinner		
21h00 - 21h20: Oral presentation (1)	F.Jülicher	Chemotaxis of chiral swimmer
21h20 - 22h10: Ciné-Club (10)		

Tuesday Morning (22nd):

09h00 - 09h50: Invited lecture	L.Kadanoff	Singularities In Phase Transitions
09h50 - 10h10: Flash talks (4)	S.Ibañez B.Thiria G.Pucci M.Nicoli	The Role Of Singularities As Organizing Centers In Dynamical Processes Folds Mechanics : Some Aspects Of Packing Issues Faraday Instability In Deformable Domains Unstable Nonlocal Interface Dynamics
10h10 - 10h50: Oral presentations (2)	S.Residori P.Manneville	Wave Turbulence And Solitons In A Nonlinear Optical Experiment Pattern Formation On A Turbulent Background
10h50 - 11h20: Coffee break		
11h20 - 12h40: Oral presentations (4)	JM.Chomaz O.Cadot E.Bertin E.Bayart	Pattern Selection In Spatially Developing Flows Turbulence In A Solid Statistical Physics Of Dissipative Systems: An Energy Cascade Model Approach Statistical Properties Of A Folded Elastic Rod

12h40 - 14h00: Lunch time

Tuesday Afternoon:

14h00 - 17h00: Free time for discussions		
17h00 - 17h50: Invited lecture	J.Bush	Bouncing After Yves Couder
17h50 - 18h20: Flash talks (6)	J.Sebilliau M.Piñeirua C.Baroud P.Brunet F.Doumenc C.Pirat	Shapes Of A Viscous Liquid Impacting On A Moving Bath Winkles coalescence Microfluidic Lung: Distribution Of Cascade Reopenings In A Branching Network Fingering Instability Induced By Drop Impact: The Edgerton's Crown Complex Fluid Drying Close To The Contact Line Leidenfrost Drop Impact Dynamics On Solid Substrate
18h20 - 19h20: Oral presentations (3)	A.Davaille A.Daerr S.Morris	Patterns Of Convection In Solid-State Planetary Mantles Meandering of a liquid filament between two plates Experiments On The Morphology Of Icicles
19h30 - 21h00: Special Dinner		
21h00 - 21h50: Invited lecture	A.Arneodo	Spatio-Temporal Organization Of Replication: On Genome Evolution And Large-Scale Chromatin Folding
21h50 - 22h10: Ciné-Club (4)		

Wednesday Morning (23rd):

09h00 - 09h50: Invited lecture	B.Shraiman	Growth, Form And Intercellular Interactions"
09h50 - 10h10: Flash talks (4)	C. Aegerter D. Wendell A. Cornelissen S.Li	Mechanical Growth Regulation Of The Wing Disc Of Drosophila Experimental Investigation Of Plant Root Growth Through Granular Media Mechanical Self Organized Processes Involved In Vascular Morphogenesis Stable, Symmetric And Self-Similar Viscous Fingering Patterns In A Radial Hele-Shaw Cell
10h10 - 10h50: Oral presentations (2)	D.Bensimon L.Bocquet	Single Cell Optical Control Of Morphogenesis In Zebrafish Spatial Cooperativity In Soft Glassy Flows
10h50 - 11h20: Coffee break		
11h20 - 12h40: Oral presentations (4)	M.Kilfoil H.Lhuissier J.Hure A.Pocheau	Out Of Equilibrium Single-Particle Dynamics In A Colloid Model System Self-Atomisation Of Vibrating Soap Films Adhesion Of An Elastic Plate To A Curved Substrate Front Propagation In A Vortex Chain : A Least Time Criterion.

12h40 - 14h00: Lunch time

Wednesday Afternoon:

14h00 - 16h00: Free time for discussions		
17h00 - 17h50: Invited lecture	A.Libchaber	Some Aspects Of Minimal Life
17h50 - 18h15: Flash talks (5)	P.Formosa C.Gambini M.Kilfoil G.Massiera F.Family	Cis-Inhibition And Cis-Activation: How Do These Interactions Modify Patterning Vascular Morphogenesis In Jellyfish An Experimental Investigation Of The Dynamics Of Cell Division Fast Erythrocyte Egress Of Malaria Parasites Induced By Membrane Curling And Buckling Pattern Formation And Instabilities In Age Related Macular Degeneration
18h15 - 19h15: Oral presentations (3)	S.Armon A.Peaucele B.Moullia	Geometry and Mechanics of Chiral Pod Opening Importance Of Rheology Of Cell Walls In Plant Growth And Development Mechanosensitive Control Of Growth In Plants : Stresses , Strains Or Strain Rates
19h30 - 21h00: Dinner		
21h00 - 21h50: Invited lecture	J.Traas	From Genes To Shape In Plants
21h50 - 22h10: Ciné-Club (4)		

Thursday Morning (24th):

09h00 - 09h50: Invited lecture	J.Fineberg	The Story Of Fast Fracture: Is Fracture All That It Is Cracked Up To Be?
09h50 - 10h10: Flash talks (4)	D.Bonamy J.Bico F.Brau N.Vandenbergh	Brittle-Quasibrittle Transition In Dynamic Fracture Blister Shapes Of Randomly Deposited Thin Films On Adhesive Substrates Saffman-Taylor Streamers: Mutual Finger Interaction In Electric Breakdown Pattern Formation On Impacted Thin Elastic Sheets

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10h10 - 10h50: Oral presentations (2)	S.Ciliberto Y.Pomeau	Crack Prediction And Simple Models Wave-Breaking And The Amplitude Of Wind Driven Sea Waves
10h50 - 11h20: Coffee break		
11h20 - 12h40: Oral presentations (4)	V.Lazarus P.Reis P.Damman JC.Géminard	Shrinkage Star-Shaped Cracks Intersections: Explaining The Transition From 90 Degrees To 120 Degrees Localization Through Surface Folding In Solid Foams Under Compression (Micro)Origami: Morphogenesis From Elastic Instability Of Rigid Membranes Fracture Patterning In A Stretched Layer Of A Cohesive Granular Material
12h40 - 14h00: Lunch time		
Thursday Afternoon:		
14h00 - 17h00: Free time for discussions		
17h00 - 17h50: Invited lecture	I.Proccacia	TBD
17h50 - 18h05: Flash talks (3)	A.Andersen S.Protiere C.Turk M.Piñeirua	Flows Created by a Flapping Foil in a Soap Film Droplet Breakup Past An Obstacle Three-Dimensional Fractal Model For Snow Metamorphism Winkles coalescence
18h05 - 19h40: Poster Session II		
19h40 - 21h00: Dinner		
Friday Morning (25th):		
09h00 - 09h50: Invited lecture	H.Swinney	Nonlinear dynamics of internal waves in the oceans
09h50 - 10h50: Oral presentations (3)	M.VanHecke A.Lindner M.Ben Amar	Fluctuations and Flow of Foams near Jamming Viscous Fingering In Complex Fluids Shape Instability Of Growing Tumors
10h50 - 11h20: Coffee break		
11h20 - 12h20: Oral presentations (3)	S.Ishihara A.Asnacios E.Rojas	Estimating Stress Field In Growing Tissue Experimental Physics In Single Cell Mechanosensing tip growth morphology
12h20 - 14h00: Lunch time		