Sunday June 17 (19 : 00): apértitif charentais

	Monday June 18	Tuesday June 19	Wednesday June 20	Thursday June 21	Friday June 22
	8⁵⁵: **Opening**				
$9 - 9^{30}$	D. Jeulin A (non random) walk across models and applications of random structures (p. 3)	J. Escoda Granular material modeling for non-destructive testing simulation (p. 15)	K. Sab Homogenization of stress-gradient composites materials (p. 34)	V. Capasso Some Applications of the Theory of Random Currents (p. 10)	J. Chaniot From Tortuosity to Narrowness: Straightforward Porous Media Characterization (p. 13)
$9^{30} - 10$	É. Maire X-Ray Computed Tomography and FIB/SEM Tomography applied to Lithium battery electrodes (p. 3)	L. Lacourt Multiscale modeling of mesoscopic defects in laser-welded structures (p. 16)	P. Suquet Computational micromechanics: a variational derivation of FFT-based schemes (p. 35)	J. Sanahuja Ageing linear viscoelastic behaviour of microstructure-evolving porous media: estimates from mean-field homogenization (p. 31)	M. Neumann Quantification of the microstructure influence on permeability, using virtual materials testing (p. 49)
$10 - 10^{30}$	S. Velasco-Forero A review of Stochastic Watershed: integrating shape, texture, spectral, and hierarchical information (p. 4)	H. Andrä Electro-Chemo-Mechanical Simulation on Microstructures for Lithium-Ion Batteries (p. 19)	G. Milton A new faster FFT approach using a novel algebra of subspace collections to computing the fields in composites (p. 37)	J. Dirrenberger Bio-inspired architectured hybrid lattice structures (p. 32)	F. Chatti Finite element modelling of entangled carbon fiber during compression tests. Evolution of morphological parameters. (p. 51)
$10^{30} - 11$	**Coffee Break**				
$11 - 11^{30}$	G. Noyel Homogeneity of a Region in the Logarithmic Image Processing Framework (p. 5)	V. Schmidt Stochastic 3D microstructure modeling for the prediction of permeability and conductivity of three-phase microstructures (p. 20)	A. Cherkaev Modeling and robust design of objects with uncertain behavior: Damage spread in beam lattices (p. 45)	M. G. Tarantino Numerical and experimental study on effective elastic properties of 3D printed-controlled random porous material numerically generated (p. 28)	V. Silberschmidt Mechanics of Random Fibrous Networks (p. 52)
$11^{30} - 12$	F. Hild A unified framework for the identification of constitutive parameters from experimentally measured displacement fields (p. 8)	L. de Arcangelis On the micromechanics of a granular seismic fault model (p. 21)	A. Acharya Line Defect dynamics and solid mechanics (p. 33)	F. Latourte SEM vs CPFEM to study dual phase steel: from 3D microstructure reconstruction up to lattice rotation and plasticity fields (p. 40)	11^{30}–11^{35}: **Closing**
$12 - 13^{30}$	**Lunch**				

	Monday June 18	Tuesday June 19	Wednesday June 20	Thursday June 21
$13^{30} - 14$	C. Lantuéjoul Estimation of the percolation threshold of boolean models (p. 9)	D. Bernard 3D modelling of ferroelectric composite properties using X-ray micro tomography images: Effective permittivity and tunability (p. 21)		L. Delannay How grain shape influences backstresses and dislocation slip in fcc crystals (p. 40)
$14 - 14^{30}$	J. Angulo Boolean Random Function Characterization and $(\max, \min)$-convolution (p. 9)	S. Kanaun Hydraulic Fracture Crack Propagation in Heterogeneous Materials (p. 22)		H. Trumel An investigation of microcracks-induced thermoelastic softening of a jointed polycrystal by full-field FFT and mean-field homogenizations (p. 41)
$14^{30} - 15$	K. Schladitz Multi-scale analysis, modelling, and simulation of a nano-porous membrane (p. 30)	J. Willis Variance of stress and strain in a random composite (p. 25)		F. Montheillet Modeling of inhomogeneous self-organized microstructures associated with dynamic recrystallization in metals (p. 42)
$15 - 15^{30}$	L. L. Bonilla Formation and growth of blood vessels and characterization of the resulting vascular network by ensemble averaged densities (p. 11)	P. Ponte Castañeda A symmetric fully optimized second-order method for nonlinear homogenization (p. 26)		R. A. Lebensohn FFT-based micromechanical modeling of polycrystalline materials with non-linear constitutive behavior and complex microstructures (p. 43)
$15^{30} - 16$	**Coffee Break**		**Free afternoon**	**Coffee Break**
$16 - 16^{30}$	F. Barbe Modelling of polycrystals using well-controlled Voronoi-type tessellations and its applications to micromechanical analyses (p. 12)	F. Willot The effective conductivity of strongly nonlinear 2D random media (p. 27)		G. Cailletaud Oligogranular Materials and Structures (p. 44)
$16^{30} - 17$	D. Depriester Faithful EBSD-based mesh generation of polycrystaline materials (p. 39)	S. Berbenni On a consistent discrete Green operator for FFT-based methods to solve heterogeneous problems with eigenstrains and dislocations (p. 38)		D. Kondo Homogenization of ductile (nano)porous materials with pressure-sensitive matrix (p. 27)
$17 - 17^{30}$	E. Cherkaev Effective properties of a porous medium and imaging its structure (p. 14)	Poster session: F. Seitl (p. 57), L. Petrich (p. 57), F. Rabette (p. 58), F. N'Guyen (p. 60); É. Kaeshammer (p. 60), A. Guerine (p. 61), H. Talbot.		C. Soize Design optimization under uncertainties of a mesoscale implant in biological tissues using a probabilistic learning algorithm (p. 47)
Evening	Addresses: F. Mudry (recording), J. Serra			**Banquet**