

## Liste des publications

### Verres Colloidaux

- V.Viasnoff, F.Lequeux, D.J.Pine. *Multispeckle Diffusing Wave Spectroscopy : a tool to study slow relaxations and time-dependent dynamics*, Rev.Sci.Inst, **73** : 2336, 2002. cond-mat/0203396.
- V.Viasnoff, F.Lequeux. *Rejuvenation and Overaging in a colloidal glass under shear*, Phys.Rev.Lett , **89** (6) : 065701, 2002.cond-mat/0203328.
- V.Viasnoff, S.Jurine, F.Lequeux. *How colloidal suspension that age are rejuvenated by strain application*, Faraday Discussion **123** 2003. cond-mat/0210636.
- L.Berthier, V.Viasnoff, O.White, V.Orlyantchik, F.Krazakala. *Hiking through the glassy : physics beyond aging*, Slow relaxations and out of equilibrium dynamics in condensed matter physics Les Houches Lecture Notes 2003.

### Microrheology des gels

- J.L.Harden, V.Viasnoff. *Recent advances in DWS based micro-rheology*, Curr.Opi.Coll.Int.Sci, **6** : 438, 2001.
- A.Knaebel, M.Bellour, J.P.Munch, V.Viasnoff, F.Lequeux, J.L.Harden. *Aging behavior of laponite clay particle suspensions.*, Europhysics Letter, **52** (1) : 73, 2000.

### Biophysique

- J.Mathe, H.Visran, V.Viasnoff, Y.Rabin, A.Meller, *Nanopore unzipping of individual DNA molecules*, Biophys.J, **87** : 3205, 2004.
- U.Bockelman, Ph.Thomen, B.Essevaz-Roulet, V.Viasnoff, F.Heslot, *Unzipping DNA with Optical tweezers : High Sequence Sensitivity and Force Flips*, Biophys.J, **82** : 1537, 2002.
- J.Xu, V.Viasnoff, D.Wirtz, *Compliance of actin filament networks measured by particle tracking microrheology and diffusing wave spectroscopy*, Rheol.Acta, **37** : 387, 1998.

### Papiers en cours de soumission

- V.Viasnoff, A.Meller, H.Isambert, *A DNA nanomechanical switch under kinetic control*, submitted to Nature.
- P.Bursac, G.Lenormand, B.Fabry, M.Olivier, D.Weitz , V.Viasnoff, J.P.Butler, J.F.Fredberg, *The living skeleton, slow dynamics and glassy behavior*, Submitted to Science
- V.Viasnoff, S.Jurine, H.Montes, F.Lequeux, *How thermal history modifies the relaxation time spectrum of an aging polymer glass*, submitted to Macromolecules.

## Presentations orales nationales and internationales

- feb 2000 Workshop *Pastes and Powders*, Université Paris VI.
- jan 2001 Conference *Wave scattering in complex media*, Marne la Vallée.
- mar 2001 Workshop *Pastes and Powders*, Université Paris VI.
- jun 2001 Workshop *Ageing and disordered matter*, Carry-le-Rouet.
- jul 2002 Animation of the workshop "physics beyond aging" summer school of Les Houches : *Slow relaxations and out of equilibrium dynamics in condensed matter physics*.
- sept 2002 Liquid Matter Conf 2002, Konstanz.