

GEORGES DEBREGEAS

Address Laboratoire de Physique Statistique, Ecole Normale Supérieure (LPS/ENS)
CNRS UMR 8550 24, rue Lhomond 75231 Paris cedex 05, France
+ 33 1 44 32 35 90 (voice) / + 33 1 44 32 34 33 (fax) / georges.debregeas@lps.ens.fr

Personal Born: Jan. 11th, 1971. French citizen.

Education PhD, Physics, University of Paris VI (done at the Institut Curie, Paris) - 1997.
DEA (Master degree) Physique des Solides - 1995
Graduated from the Ecole Polytechnique - 1994

Academics **CNRS** researcher (experimental physicist)
- Laboratoire de Physique Statistique-ENS, Paris, 2005-present.
- Laboratoire des Fluides Organisés, Collège de France, Paris, 2002-2005.
- Institut Charles Sadron, Strasbourg, 1999-2002
Grainger Postdoctoral Fellow, James Frank Institute, University of Chicago, 1997-1999.

Research interests

Mechanics of human tactile perception.
Rheology of soft glassy systems (granular materials, foams, colloidal liquids, etc.)
Hydrodynamics and capillarity.

Selected papers

The role of fingerprints in the coding of tactile information probed with a biomimetic sensor,
J. Scheibert, S. Leurent, A. Prevost et G. Debrégeas,
Science **323** 1503-1506 (2009)

Quasi-static rheology of foams
A. Kabla, J. Scheibert and G. Debrégeas,
Journal of Fluid Mechanics **587** (2007), pp 45-72

Statics and dynamics of adhesion between two soap bubbles
S.Besson and G.Debrégeas,
Eur. Phys. J. E, **24**, 109-117 (2007)

Contact Dynamics in a Gently Vibrated Granular Pile.
A. Kabla and G. Debrégeas,
Phys. Rev. Lett. **92**(3), 035501(2004)

Deformation and flow of a two-dimensional foam under continuous shear
Georges Debrégeas, Hervé Tabuteau and Jean-Marc di Meglio
Phys. Rev. Lett. **87**, article 178305 (2001)

Signatures of granular microstructure in dense shear flows
D. Muth, G. Debrégeas, G. Karczmar, S. Nagel, H. Jaeger
Nature **406**, p. 385-389 (2000)

The Life and Death of "Bare" Viscous Bubbles.
G. Debrégeas, P.-G. de Gennes, F. Brochard-Wyart,
Science **279**, 1704 (1998)