Yan GRASSELLI

DIGITALISATION Academy
Sophia-Antipolis

CV

Skills & Interests

Languages

French, English and Italian

Expertise

Soft Condensed Matter including Rheological and Nano Rheological behaviors of fluids, Granular Materials, Electrical and Magnetic field induced properties of smart fluids.

Qualification

Scholarly Academic

Academic Degrees

Doctorat University of Nice, Nice, France, 1993

Work Experience

SKEMA BBA Director, SKEMA Business School (2017 - Present), Sophia Antipolis, France.

Associate professor, SKEMA Business School (2000 - Present), Sophia Antipolis, France.

Deputy Director of the Bachelor Programme, SKEMA Business School (2014 - 2017), Sophia-Antipolis, France.

Academic Head Bachelors programmes, SKEMA Business School (2009 - 2014), Sophia Antipolis, France.

Head of the mathematics & computer science dept. - Bachelors programmes, SKEMA Business School (2005 - 2009), Sophia Antipolis, France.

Network engineer, IBM (1999 - 2000), La Gaude, France.

Researcher at ICA1 - Uni. Stuttgart, Post Doc (1996 - 1999), Stuttgart, Germany.

INTELLECTUAL CONTRIBUTIONS

Articles in Journals

GRASSELLI, Y., Bossis, G., Meunier, A., Volkova, O., Morini, R., P. Boustingorry A. Zubarev (2017). Discontinuous shear thickening in the presence of polymers adsorbed on the surface of calcium carbonate particles. *Rheologica Acta, 56 (5)*, 415-430, doi: 10.1007/s00397-017-1005-4.

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., & VOLKOVA, O. (in press, 2017). Tunable discontinuous shear thickening with MR suspensions. *Journal of intelligent Material Systems and Structures*.

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., & VOLKOVA, O. (2016). Outstanding magnetorheological effect based on discontinuous shear thickening in the presence of a superplastifier molecule. *Applied Physics Letters, 109 (111902)*, 4, doi: 10.1063/1.4962467.

Grasselli, Y., Bossis, G., & Morini, R. (2015). Translational and rotational temperatures of a 2D vibrated granular gas in microgravity. *European physical journal, 38 (8)*.

Grasselli, Y., Bossis, G., & Goutallier, G. (2009). Velocity-dependent restitution coefficient and granular cooling in microgravity. *Europhysics Letters, 86*.

Bossis, G., Grasselli, Y., & Volkova, O. (2004). Granular rheology in zero-gravity. *Journal of Physics: Condensed Matter, 16*.

Grasselli, Y. & Herrmann, J. (2001). Crater formation on a three dimensional granular heap. *Granular Matter, 3 (4)*.

Grasselli, Y., Herrmann, H., Oron, G., & Zapperi, S. (1999). Shapes of heaps and in silos. *Granular Matter, 2 (2)*.

Grasselli, Y. & Herrmann, H. (1998). Experimental study of granular stratification. *European Journal of Physics B (10)*.

Grasselli, Y. & Herrmann, H. (1998). Etude expérimentale sur la forme d'un tas de billes dans un silo bidimensionnel. *Granular Matter.*, doi: C.R. Acad. Sci. Paris, t. 326, Série .IIb, p. 61.

GRASSELLI, Y. & Lobry, L. (1997). Hydrodynamic interactions between a particle and two rigid walls : effects of surface roughness and many body hydrodynamic interactions. *Phys. Fluids, 9 (12)*.

GRASSELLI, Y. & HERRMANN, H. (1997). On the angles of dry granular heaps. *Physica, 246 (301)*.

Grasselli, Y. & Bossis, G. (1995). Three dimensional particle tracking for the characterization of micronic colloidal particles. *Journal of Colloid and Interface Science, 170 (1)*.

Bossis, G., Clercx, H., Grasselli, Y., & Lemaire, E. (1994). Theoretical analysis of field induced structure in E.R. and M.R. fluids. *International Journal of Modern Physics B, 8 (20n21)*, 2747-2763.

Grasselli, Y., Bossis, G., & Lemaire, E. (1994). Structure induced in suspensions by a magnetic field. *Journal de Physique II, 4 (2)*.

Bossis, G., Grasselli, Y., Lemaire, E., Persello, J., & Petit, L. (1994). Phase separation and flow induced anisotropy in electrorheological fluids. *Europhysics Letters, 25 (5)*.

Grasselli, Y., Bossis, G., & Lemaire, E. (1993). Field induced structure in magnetorheological suspensions. *Progress in Colloid and Polymer Science, 93*.

GRASSELLI, Y., Bossis, G., Lemaire, E., Meunier, A., Brady, J.F., T. Phung (1993). Rheology and microstructure in colloidal suspensions. *Physica Scripta*.

GRASSELLI, Y., Lemaire, E., & Bossis, G. (1993). Yield stress and structuration of magnetorheological suspensions. *Magnetism and Magnetic Materials*.

Lemaire, E., Grasselli, Y., & Bossis, G. (1992). Field induced structure in magneto and electro rheological fluids. *Journal de Physique II, 2*.

Articles in Proceedings

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., & VOLKOVA, O. (2016). Tunable discontinuous shear thickening with MR suspensions. *15th International Conference on Electrorheological Fluids and Magnetorheological Suspensions*.

Chapters, Cases, Readings, Supplements

GRASSELLI, Y., BOSSIS, G., & VOLKOVA, O. (2017). Dynamics of a 2D vibrated model granular gas in microgravity. In Press, *Granular Matter*.

Coste-Manière, I., Amos, C., & Grasselli, Y. (2016). The Virtuous Circle: Hard Sustainable Science Versus Soft Unsustainable Science Within Marketing Functions of Fashion and Luxury Sectors and How to Prevent 'Soylent Green' from Happening. In Press, *Textile Science and Clothing Technology Implications in Textiles and Fashion* (pp. 75-87).

Grasselli, Y. & Bossis, G. (1998). Three dimensional optical particle tracking in colloidal suspensions. *Surface Characterization methods : Principles, Techniques and Applications*. Marcel Dekker ed., A.Milling.

Lemaire, E., Bossis, G., & Grasselli, Y. (1992). Rheological behavior of electrorheological fluids. *Langmuir (8)*. Langmuir.

Conference Presentations

GRASSELLI, Y., BOSSIS, G., VOLKOVA, O., CIFFREO, A., & Gueye, O. (2018). *Discontinuous shear thickening and stick-slip oscillations tuned by a magnetic field.* Annual European Rheology Conference, Naples, Italy.

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., VOLKOVA, O., & MORINI, R. (2017). *Discontinuous shear thickening in the presence of superplasticizer molecules.* Annual European Rheology Conference, Copenhagen, Denmark.

GRASSELLI, Y., BOSSIS, G., VOLKOVA, O., & CIFFREO, A. (2017, November). *Contrôle des phénomènes de blocage d'écoulement de suspensions très concentrées de microparticules en présence de fluidifiants.* GDR MFA 2017, Fréjus, France.

GRASSELLI, Y., BOSSIS, G., VOLKOVA, O., & CIFFREO, A. (2017, October). *Discontinuous shear thickening and slip-stick oscillations.* GFR 2017 (Groupe Français de Rhéologie), Nice, France.

BOSSIS, G., GRASSELLI, Y., Meunier, A., & VOLKOVA, O. (2017, April). *Tunable discontinuous shear thickening in a magnetorheological suspension.* Annual European Rheology Conference, Copenhagen, Denmark.

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., & VOLKOVA, O. (2016). *Discontinuous Shear Thickening controlled by a magnetic field.* GFR 2016 (Groupe Français de Rhéologie), Lille, France.

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., & VOLKOVA, O. (2016). *Transition de blocage en présence de superplastifiant dans les suspensions très concentrées.* GDR CNRS MEPHY (Mécanique et Physique des Sytèmes Complexes), Marseille, France.

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., & VOLKOVA, O. (2016). *Contrôle des phénomènes de blocage d'écoulement de suspensions très concentrées de microparticules.* GDR CNRS – MFA (Micropesanteur Fondamentale et Appliquée), Belgodère, France.

BOSSIS, G., GRASSELLI, Y., MEUNIER, A., & VOLKOVA, O. (2016, July). *Tunable discontinuous shear thickening with MR suspensions.* 15th International Conference on Electrorheological Fluids and Magnetorheological Suspensions, Incheon, Republic of Korea.

Grasselli, Y., Bossis, G., Morini, R., Volkova, O., Meunier, A., J. Persello, P.Boustingory et Zubarev A. (2015, April). *Abrupt shear thickening and stick-slip behavior of concentrated suspensions in the presence of fluidizer molecules.* 10th Annual European Rheology Conference, Nantes, France.

Grasselli, Y., Bossis, G., Morini, R., & Volkova, O. (2015, March). *Translational and rotational temperatures of a 2D vibrated granular gas in microgravity.* Int. Conference « Granular Matter in Low Gravity », Erlangen, Germany.

Bossis, G., Grasselli, Y., Meunier, A., Morini, R., Zubarev, A., O. Volkova (2014, November). *Phénomènes de blocage et de stick-slip dans des suspensions très concentrées de microparticules en présence de fluidifiants.* GDR CNRS – MFA (Micropesanteur Fondamentale et Appliquée), Carry le Rouet, France.

Grasselli, Y., Bossis, G., Volkova, O., Lancon, P., & Wang, B. (2011). *Nanoscale Rheology of Viscoplastic Media.* 1st BIT International Conference on Nanotechnologies & Nanosciences, Dalian, China.

Grasselli, Y., Bossis, G., & Morini, R. (2011). *Equilibrium Temperature of a vibrated model granular medium.* GDR CNRS MFA, Fréjus, France.

Grasselli, Y., Bossis, G., & Morini, R. (2010). *Equilibrium Temperature of a vibrated model granular medium in microgravity.* GDR CNRS MFA, Fréjus, France.

GRASSELLI, Y., Bossis, G., & Morini, R. (2009). *Intelastic properties of granular particles.* GDR CNRS MFA, Balaruc, France.

Grasselli, Y. & Bossis, G. (2008). *Vibrated model granular media.* GDR CNRS MFA, Fréjus, France.

Grasselli, Y., Bossis, G., & Audoly, A. (2007). *Rotationnal effects of model granular particles.* GDR CNRS MFA, Aussois, France.

Grasselli, Y., Bossis, G., & Audoly, A. (2006). *Shear and flow of a granular gas in microgravity.* GDR CNRS MFA, Fréjus, France.

GRASSELLI, Y., Bossis, G., & Audoly, A. (2005). *Sheared and vibrated granular gas.* Proc. Int. Conf. TGF 05, Berlin, Germany.

GRASSELLI, Y., Bossis, G., Lemaire, E., Petit, L., & Persello, J. (2000). *Yield stress and field induced structure in electro and magnetorheological suspensions.* « Electrorheological fluids », World Scientific, unknown, Unknown.

GRASSELLI, Y. & Herrmann, H. (1997). *Shape of a granular heap in a two dimensional silo.* GDR CNRS Dry granular materials. Paris (F), Paris, France.

GRASSELLI, Y. & Fermigier, M. (1995). *Fluctuations thermiques de chaînes de particules polarisées.* Journées Physique Statisque, Paris, France.

GRASSELLI, Y., Petit, L., Gondret, P., Olivier,, C., & Bossis, G. (1995). *Mesures de coefficient de diffusion de particules colloïdales par suivi optique dynamique.* Visualisation et traitement d'images en mécanique des fluides., St Etienne (F), France.

GRASSELLI, Y., Bossis, ., & Clercx, H.G. (1993). *Analysis of field induced structures in electro and magnetorheological fluids.* IVe Int. Conf. on E.R. Fluids. Bregenz, Bregenz, Germany.

GRASSELLI, Y., Lemaire, E., Bossis, G., & Meunier, A. (1993). *Dynamics of structure deformation and the rheology of electrorheological fluids.* 65th Meeting of the Soc. of Rheology, Boston, United States of America.

GRASSELLI, Y., Lemaire, E., Paparoditis, C., & Bossis, G. (1992). *Yield stress and structuration of magnetorheological suspensions.* VIe Int. Conf. on Magnetics Fluids. Paris (F), Paris, France.

GRASSELLI, Y., Bossis, G., & Lemaire, Y. (1992). *Field induced structure in colloidal suspensions.* VIe E.C.I.S. Conf. - Graz (A), Graz, Austria.

GRASSELLI, Y., Lemaire, E., & Bossis, G. (1991). *Induced structure in colloidal suspensions submitted to an electric or a magnetic field.* 5th European Colloid and interface conference. Mainz (D), Mainz, Germany.

Other Research

2015: Boissin, D., Grasseli, Y., Milleliri, A., Parker, M., Peneau, F., Dalmasso, A., Saunders A. SKEMA BACHELOR IN GLOBAL MANAGEMENT. Construction d'une maquette originale d'un nouveau programme destiné à être commercialisé.
[Teaching and Learning Scholarship]