#### Education

2004/2007	Ph.D in physics of soft matter. Paul Verlaine University of Metz (France).
2003/2004	Master 2 degree in Rheology, Mechanics and Physics of Soft Matter. Grenoble Institute of Tech-
	nology and University Joseph Fourier of Grenoble (France).
1998/2003	Ingenior in hydraulic (position holder), University of Oran (Algeria).

### **Particular Skills**

Microfluidic Rheology	Conception of micrometric chips. Flow and characterization of complex fluids at micrometric scales. Linear and non linear rheometry at imposed shear stress and shear rate.
Techniques	Flow birefringence, ultrasound velocimtry, small angle neutron scattering (SANS), dynamic light
	diffusion, Raman spetroscopy and particle image velocimetry.
Materials	Viscoelatic (polymers and surfactants), viscoplastic (Carbopol), natural suspension (dams) and biological systems.
Computing	Delphi, MS Project, Origin, Map-Info, LATEX, Word, Excel, Powerpoint, Namo Web Editor and Front-
	page, basics in Matlab and Labview.
Language	English : scientific, good skills both written and oral.

# Work Experience (6 years)

2009/2010	<b>Research engineer</b> : using our device, we performed phase diagram screening of aqueous solution
(1  year)	(ex. polymer and salt). Implementation of spectroscopy Raman, microrheology and DLS. <i>Supervised</i>
(1 year)	by Dr. Jacques Leng.
2008/2010	<b>Research engineer</b> : conception of a new microfluidic device for phase diagram screening. Our device
(1 year)	is based on pervaporation to increase concentration of studied matter in a nL-chamber. Supervised by
	Dr. Jacques Leng.
2004/2007	Ph.D research : experimental study of shear thickening of dilute self-assembled systems using rheo-
(3 years)	metry, birefringence, ultrasound velocimetry and small angle neutron scattering. Supervised by Pr.
	Jean-Paul Decruppe and Pr. Hong Xu.
2004	Research Trainee : first experimental vizualisation of the static rigid zones in flow of a viscoplastic
(4 months)	fluid around obstacles. Supervised by Pr. Jean-Michel Piau.
2003	Engineer project : flow of clay in rheometer and industrial installation. To provide solution for the
(6 months)	study of transportation of the dam clay during the procedures of desilting. Validation of the new
	pressurized flow installation. Supervised by Dr. Mansour Belhadri

### Communications

Papers	5 published : 2 Langmuir, Apllied Physical Letter, Rheologica Acta and Journal of Rheology.
Conferences	3 international conferences, colloquiums, workshops and seminars.
Associations	Member of French Group of Rheology, European Society of Rheology and Group Research of Mi-
	crofluidic (GDR).

# **Hobbies and interests**

Photography, poetry, hiking, Karate-do, newspapers and reviews.

### Contacts

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