

Prof. Farzam Zoueshtiagh

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(a) Professional Preparation

University of Warwick, Coventry - UK.
Ph.D (Fluid Mechanics) October 2001

University of Joseph Fourier, Grenoble - France.
M.Sc (Geophysics) June 1998

University of Paul Sabatier, Toulouse
M.Sc (Aerospace Engineering), 1996

(b) Appointments

Res. Associate, University of Warwick, UK	1998-2001
Post-doc Ecole Supérieure de Physique et de Chimie Industrielles	2001-2002
Assistant Professor, University of Paris 7	2002-2003
Associate Professor, University of Lille 1	2003-2014
Professor, University of Lille 1	2014-current

(c) Products

Five Representative Publications:

1. W. Baston, F. Zoueshtiagh, R. Narayanan, (2013) the Faraday threshold in small cylinders and the sidewall non-ideality, *J. of Fluid Mechanics*, 729, pp. 496-523.
2. W. Baston, F. Zoueshtiagh, R. Narayanan, (2013) The Dual Role of Gravity on the Faraday Threshold for Immiscible Viscous Layers, *Phys. Rev. E.*, 88; p. 063002
3. H. Yoshikawa, F. Zoueshtiagh, H. Caps, P. Kurowski, P. Petitjeans (2010) 'Bubble splitting in oscillatory flows on ground and in reduced gravity', *Eur. Phys. J. E*, Vol. 32, n^o2.
4. . Zoueshtiagh, P.J. Thomas, V. Thomy, A. Merlen (2008) 'Micrometric Ripple Patterns in a Capillary Tube', *Phys. Rev. Lett.*, Vol. 100, 054501-1054501-4
5. F. Zoueshtiagh, S. Amiroudine, R. Narayanan (2009) 'Experimental and numerical study of miscible Faraday instability', *J. Fluid Mech.*, Vol. 628, pp.43-55

Five other Representative Publications:

1. Zoueshtiagh, F, Merlen, A. (2007) 'Effect of a vertically-flowing water jet underneath a granular bed'. Phys. Rev. E, Vol. 75, pp.056313-1-056313-12
2. Thomas, P.J. , Zoueshtiagh, F. (2007) 'Loose-boundary rotating-disk-type flow'. Journal of Engineering Mathematics, Vol. 57, No. 3, pp.317-332.
3. P. Brunet, F. Lapierre, F. Zoueshtiagh, V. Thomy, A. Merlen (2009) 'To grate a liquid into tiny droplets by its impact on a hydrophobic micro-grid', Applied Phys. Lett., Vol. 95, pp. 254102-1.
4. S.Amiroudine, F.Zoueshtiagh, R.Narayanan (2012) 'Mixing generated by Faraday instability between miscible liquids', Phys. Rev. E, Vol. 85, p. 016326.
5. P. Brunet, M. Baudoin, O. Bou Matar, F. Zoueshtiagh (2010) 'Droplets displacement and oscillations induced by ultrasonic surface acoustic waves: a quantitative study', Phys. Rev. E, 81, p.036315.

(d) Synergic Activities

PI of European FP7 Marie-Curie IRSES « Patterns and Surfaces » regrouping 10 institutes around the world :

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| 1. Université de Floride (USA) | 6. Université des Sciences de Tokyo (Japon) |
| 2. McGill (Canada) | 7. Université de Bordeaux 1 |
| 3. Agence Spatiale Japonaise (Japon) | 8. Université de Lille 1 |
| 4. Technion (Israel) | 9. Wave Research Center of General Physics Institute, RAS (Russie) |
| 5. Bogazici (Turquie) | 10. Moscow State Institute of Radio-Engineering, Electronics and Automation, T |

Coordinator of the International Topical Team of the European Space Agency regrouping 11 institutes:

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| 1. Université Libre de Bruxelles (Belgique) | 7. Université de Cottbus (Allemagne) |
| 2. Université de Liège (Belgique) | 8. Université de Bordeaux 1 |
| 3. Université Polytechnique de Barcelone (Espagne) | 9. Ecole Supérieure de Physique et de Chimie Industrielles de Paris |
| 4. Université Polytechnique de Madrid (Espagne) | 10. Université de Perm (Russie) |
| 5. Université de Floride (USA) | 11. Université de Lille 1 |
| 6. Agence Spatiale Japonaise (Japon) | |

(e) Collaborators in 5 years (Past and Current) : Academic and Industrial Collaborations

- Ranga Narayanan, University of Florida, USA
- Ichiro Ueno, Tokyo University of Science, Japan
- Satoshi Matsumoto, Japanese Space Agency - JAXA, Japan
- Peter J. Thomas, University of Warwick (Grande Bretagne)
- Hervé Caps, Université de Liège (Belgique).
- Pascal Kurowski, Philippe Petitjeans, Harunori Nakagawa Yoshikawa, laboratoire de Physique et Mécanique des Milieux Hétérogènes (PMMH) de l'Ecole Supérieure de Physique et de Chimie Industrielles (ESPCI)
- Sakir Amiroudine, University of Bordeaux

List of Students Supervised or Co-supervised in the Past 5 years:

W. Batson, C. Frankiewicz, I. Bihi, A. Hacıoglu