

# 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

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| 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

### Six Representative Publications:

1. L. Mu, D. Kondo, M. Inoue, T. Kaneko, H. Yoshikawa, F. Zoueshtiagh, I. Ueno (2017) Sharp acceleration of a macroscopic contact line induced by a particle, **J. of Fluid Mechanics - Rapid Communications**, Vol. 830, pp. 830-R1-R12.
2. Bihi, M. Baudoin, J.E. Butler, C. Faille, F. Zoueshtiagh, (2016) Inverse Saffman-Taylor Experiments with Particles Lead to Capillarity Driven Fingering Instabilities, **Phys. Rev. Lett.** 117, 034501
3. W. Batson, F. Zoueshtiagh, R. Narayanan, (2015) « Two-frequency excitation of single mode Faraday waves », **J. Fluid Mech.**, Volume 764, pp 538- 571
4. Farzam Zoueshtiagh, Michael Baudoin, David Guérin, (2014) “Capillary tube wetting induced by particles: towards armoured bubbles tailoring”, **Soft Matter**, 2014,10, pp. 9403-9412.
5. W. Batson, F. Zoueshtiagh, R. Narayanan, (2013) the Faraday threshold in small cylinders and the sidewall non-ideality, **J. Fluid Mech.**, 729, pp. 496-523.
6. F. Zoueshtiagh, S. Amiroudine, R. Narayanan (2009) 'Experimental and numerical study of miscible Faraday instability', **J. Fluid Mech.**, Vol. 628, pp.43-55

## (d) Synergic Activities

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

1. Université de Floride (USA)
2. McGill (Canada)
3. Agence Spatiale Japonaise (Japon)
4. Technion (Israel)
5. Bogazici (Turquie)
6. Université des Sciences de Tokyo (Japon)
7. Université de Bordeaux 1
8. Université de Lille 1
9. Wave Research Center of General Physics Institute, RAS (Russie)
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:

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

## (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
- Diwakar Seyyanur Venkatesan, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore, India
- 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 publications

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### Publications in International journals

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1. S. Signe Mamba, J. C. Magniez, F. Zoueshtiagh and M. Baudoin (2018) Dynamics of a liquid plug in a capillary tube under cyclic forcing: memory effects and airway reopening, **Journal of Fluid Mechanics** Vol. 838, pp.165-191
2. L. Mu, D. Kondo, M. Inoue, T. Kaneko, H. Yoshikawa, F. Zoueshtiagh, I. Ueno (2017) Sharp acceleration of a macroscopic contact line induced by a particle, **Journal of Fluid Mechanics - Rapid Communications**, Vol. 830, pp. 830-R1-R12.
3. G. Prabhudesai, I. Bihi, F. Zoueshtiagh, J. Jose and M. Baudoin (2017) Nonspherical armoured bubble vibration, **Soft Matter**, vol. 13, pp. 3879-3884
4. D. Kondo, L. MU, F. de Miollis, T. Ogawa, M. Inoue, T. Kaneko, T. Tsukahara, H. N. Yoshikawa, F. Zoueshtiagh and I. Ueno (2017) Acceleration of the Macroscopic Contact Line of a Droplet Spreading on a Substrate after Interaction with a Particle, **Int. J. Microgravity Sci. Appl.**, 34 (4) pp.340405-1-7
5. J. C. Magniez, M. Baudoin, C. Liu, F. Zoueshtiagh (2016) Dynamics of liquid plugs in prewetted capillary tubes: from acceleration and rupture to deceleration and airway obstruction, **Soft Matter**, 12, 8710-8717.
6. I. Bihi, M. Baudoin, J.E. Butler, C. Faille, F. Zoueshtiagh, (2016) Inverse Saffman-Taylor Experiments with Particles Lead to Capillarity Driven Fingering Instabilities, **Phys. Rev. Lett.** 117, 034501
7. C. Faille, I. Bihi, A. Ronse, G. Ronse, T. Bénézech, M. Baudoin, F. Zoueshtiagh (2016) Impact of drying conditions of a contaminated surface

- on the subsequent resistance to detachment of adherent microspheres and Bacillus spores, *Coll. Surf. B. Biointerfaces*, 143, 293–300 (2016)
8. L. Krutyanskiy, F. Zoueshtiagh, P. Pernod, P. Shirkovskiy, and A. Brysev, Separation of two fractions of immiscible liquids by ultrasound in microgravity, **Physics of Wave Phenomena**, Vol. 25, N°2, pp.151-155 (2017)
  9. A. Brysev, P. Pernod, V. Preobrazhensky, F. Zoueshtiagh, S. V. Diwakar, D.I. Makalkin. Excitation of Gravity-Capillary Waves at an Interface between Two Immiscible Liquids. **Physics of Wave Phenomena**, vol. 24, issue 2, pp. 155-160 (2016)
  10. A. Brysev, F. Zoueshtiagh, P. Pernod, V. Preobrazhensky, D. Makalkin. Droplet's emission caused by action of a pulsed ultrasound on an interface of two immiscible liquids. **Physics of Wave Phenomena**, Vol. 24, No. 3, pp. 238–244 (2016)
  11. S. V. Diwakar, Farzam Zoueshtiagh, Sakir Amiroudine, and Ranga Narayanan, The Faraday instability in miscible fluid systems (2015), **Physics of Fluids**, vol. 27, 084111; doi: 10.1063/1.4929401
  12. Yu. V. Pyl'nov, L. M. Krutyanskiy, Yu. I. Kutubaeva F. Zoueshtiagh, P. Chainais, V. Herman, P. Pernod (2015) Ultrasonic Tomography of Nonmixing Fluid Flows, **Physics of Wave Phenomena**, Vol. 23, No. 4, pp. 273-278.
  13. W. Batson, F. Zoueshtiagh, R. Narayanan, (2015) « Two-frequency excitation of single mode Faraday waves », **Journal of Fluid Mechanics**, Volume 764, pp 538- 571
  14. Farzam Zoueshtiagh, Michael Baudoin, David Guérin, (2014) “Capillary tube wetting induced by particles: towards armoured bubbles tailoring”, **Soft Matter**, 2014,10, pp. 9403-9412.
  15. Christophe Frankiewicz, Farzam Zoueshtiagh, Abdelkrim Talbi, Jérémy Streque, Philippe Pernod, Alain Merlen (2014) "From "petal effect" to "lotus effect" on a highly flexible microstructured elastomer". **J. of Micromech. and Microeng.** vol. 24 p.115008
  16. W. Batson, F. Zoueshtiagh, R. Narayanan, (2013) the Faraday threshold in small cylinders and the sidewall non-ideality, **Journal of Fluid Mechanics**, 729, pp. 496-523.
  17. W. Batson, F. Zoueshtiagh, R. Narayanan, (2013) The Dual Role of Gravity on the Faraday Threshold for Immiscible Viscous Layers, **Phys. Rev. E.**, 88; p. 063002
  18. F. Zoueshtiagh, R. Narayanan, S. Amiroudine (2012) The Faraday instability in inhomogeneous fluids, **Japanese. Soc. Microgravity Appl.**, Volume 29, n° 2, p. 61.
  19. S.Amiroudine, F.Zoueshtiagh, R.Narayanan (2012) 'Mixing generated by Faraday instability between miscible liquids', **Phys. Rev. E**, Vol. 85, p. 016326.
  20. M. Jónsson-Niedziolka, F. Lapiere, Y. Coffinier, S. J. Parry, F. Zoueshtiagh, T. Foat, V. Thomy and R. Boukherroub (2011) 'EWOD driven cleaning of bioparticles on hydrophobic and superhydrophobic surfaces', *Lab on Chip*, 11, p. 490-496.
  21. 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.
  22. 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°2.
  23. O. Ducloux, E. Galopin, F. Zoueshtiagh, A. Merlen, V. Thomy (2010) 'Enhancement of biosensing performances in a droplet-based Bioreactor by in-situ micro-streaming', *Biomicrofluidics*, 4, p. 011102.
  24. P. Brunet, F. Lapiere, 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.
  25. F. Zoueshtiagh, S. Amiroudine, R. Narayanan (2009) 'Experimental and numerical study of miscible Faraday instability', *J. Fluid Mech.*, Vol. 628, pp.43-55
  26. F. Zoueshtiagh, P.J. Thomas, V. Thomy, A. Merlen (2008) 'Micrometric Ripple Patterns in a Capillary Tube', *Phys. Rev. Lett.*, Vol. 100, 054501-1054501-4
  27. H. Yoshikawa, F. Zoueshtiagh, H. Caps, P. Kurowski, Ph. Petitjeans (2007) 'Bubble rupture in a vibrated liquid under microgravity', *Microgravity Sci. Technol.*, Vol. XIX/3-4, pp.155-156.
  28. A. Merlen, F. Zoueshtiagh, P.J. Thomas, V. Thomy (2007) 'Micrometric Ripples in a Capillary Tube, the Effect of Microgravity', *Microgravity Sci. Technol.*, Vol. XIX/3-4, pp.60-61.
  29. Alan Renaudin, Elisabeth Galopin, Vincent Thomy, Christian Druon, Farzam Zoueshtiagh (2007) "Creeping, walking and jumping drop...", *Phys. Fluids*, Vol. 19, pp.091111-1
  30. 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
  31. Thomas, P.J. , Zoueshtiagh, F. (2007) 'Loose-boundary rotating-disk-type flow'. *Journal of Engineering Mathematics*, Vol. 57, No. 3, pp.317-332.
  32. Colley, A. J., Carpenter, P. W., Thomas, P. J., Ali, R., Zoueshtiagh, F. (2006) 'Experimental verification of Type-II-eigenmode destabilization in the boundary layer over a compliant rotating disk'. *Phys. Fluids*, Vol. 18, pp. 054107-1-054107-10.
  33. Zoueshtiagh, F., Legendre, M., Caps, H., Vandewalle, N., Ph. Petitjeans, P. Kurowski (2006) 'Air bubbles under vertical vibrations'. *Eur. Phys. J. E*, Vol. 20, pp. 317-325.
  34. Thomas, P.J. , Zoueshtiagh, F. (2005) 'Granular Ripples Under Rotating Flow: A new technique for studying ripples in non-rotating, geophysical applications?'. *Phil. Trans. Roy. Soc.*, Vol. 363, pp. 1663-1676.
  35. Zoueshtiagh, F., Legendre, M., Caps, H., Vandewalle, N. (2004) 'Bubble Dynamics Under Vertical Vibrations'. In *Gallery of Fluid Motion of Phys. Fluids*, Vol. 16, No. 9, p. S7
  36. Zoueshtiagh, F., Colley, A.J., Ali, R., Thomas, P.J. , Carpenter, P.W. (2003) 'Boundary Layer Transition over Rough Rotating Disks Spinning Under Water'. *Phys. Fluids* , Vol. 15, pp. 2441-2444.
  37. Zoueshtiagh, F., & Thomas, P.J. (2003) 'Spiral Patterns Formed by Granular Media Underneath a Rotating Fluid: Experiment vs. Computation'. In *Best of 'Gallery of Fluid Motion'*, ed. M. Sammy et al., p.35, Cambridge University Press, (originally published in *Phys. Fluids* 12, p.S10).
  38. Zoueshtiagh, F., & Thomas, P.J. (2003) 'Universal Scaling for Ripple Formation in Granular Media'. *Phys. Rev. E*, Vol. 67, pp. 031301-1-031301-5.
  39. Zoueshtiagh, F., & Thomas, P.J. (2000) 'Spiral Patterns Formed by Granular Media Underneath a Rotating Fluid: Experiment vs. Computation'. *Gallery of Fluid Motion of Phys. Fluids* , Vol. 12, No. 9, p. S10.
  40. Thomas, P.J., & Zoueshtiagh, F. (2000) 'Granular Spiral Ripples underneath a Rotating Fluid'. *Album of Visualization No 17*, p. 1.
  41. Zoueshtiagh, F., & Thomas, P.J. (2000) 'Wavelength Scaling of Spiral Patterns Formed by Granular Media Underneath a Rotating Fluid'. *Phys. Rev. E* , Vol. 61, pp. 5588-5592.

## Patents

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1. Christophe Frankiewicz, Farzam Zoueshtiagh, Abdelkrim Talbi, Jérémy Streque, Philippe Pernod, Alain Merlen "Microsystème pour la génération d'écoulements", brevet français déposé le 24 octobre 2013 sous le numéro 1360387, aux noms de l'Université Lille 1, du CNRS et de l'Ecole Centrale de Lille.
2. Extension internationale du brevet Christophe Frankiewicz, Farzam Zoueshtiagh, Abdelkrim Talbi, Jérémy Streque, Philippe Pernod, Alain Merlen "Microsystème pour la génération d'écoulements" sous numéro PCT/FR2014/052712 déposé le 24 octobre 2014 aux noms de l'Université Lille 1, du CNRS et de l'Ecole Centrale de Lille.

## Conferences

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1. F. Zoueshtiagh (2015) 'example of patterns at fluid interfaces' i2plus 3rd International Symposium on Interfacial Thermo-Fluid Dynamics, Tokyo University of Science (Katsushika Campus), Japan, 25th-26th February.
2. F. Zoueshtiagh, M. Baudoin, D. Guérin (2013) 'particle collection in confined geometry' i2plus 1st International Symposium on Interfacial Thermo-Fluid Dynamics, Tokyo University of Science (Noda Campus), Japan, 4th April.
3. A. Merlen, F. Zoueshtiagh, V. Thomy (2008) 'Flow regimes of micrometric ripples in a capillary channel in micro gravity' 37th COSPAR Scientific Assembly, Montreal, Canada July 13-20th.
4. F. Zoueshtiagh, H. Yoshikawa, P. Kurowski, Ph. Petitjeans, H. Caps (2008) 'Dynamics of an oscillated air bubble in micro and normal gravity environments' 37th COSPAR Scientific Assembly, Montreal, Canada July 13-20th.
5. K.L. Ward, F. Zoueshtiagh, S. Matsumoto and R. Narayanan (2015) Faraday Instability in Liquid-Air Electrostatically Oscillated Systems, American Society of Gravitational Research, Washington DC, November 12.
6. A. Brysev, P. Shirkovskiy, F. Zoueshtiagh, V. Preobrazhensky, P. Pernod (2014) "Ultrasonically induced dynamics of fluid interfaces in gravity and microgravity environments", 2014 IEEE International Ultrasonic Symposium, Chicago, Illinois USA, September 3-6.
7. W. Batson, F. Zoueshtiagh, R. Narayanan (2014) "Two Frequency Excitation of Single Mode Faraday Waves", IMA7, Vienna, June 2014
8. S. Amiroudine, F. Zoueshtiagh and R. Narayanan (2012) 'Gravity and acceleration effects in the mixing of two miscible liquids generated Faraday instability', COSPAR General Assembly, Mysore, India, July 14-22
9. W. Batson, R. Narayanan, F. Zoueshtiagh (2012) The gravitational effects on Faraday instability, the 28th American Society for Gravitational and Space Biology (ASGSB) and the 1st Inaugural American Society for Gravitational and Space Research (ASGSR) Meeting, 28/11 to 2/12, New Orleans, USA
10. F. Zoueshtiagh, M. Baudoin (2012) Modification of the effective contact angle by means of particle collection, APS-DFD Annual meeting, 18-21 November, San Diego, California.
11. W. Batson, F. Zoueshtiagh, Ranga Narayanan (2012) Faraday Wave Dynamics of Immiscible Systems in Finite Cells, AIChE 2012 Annual Meeting, 28/10 to 2/11, Pittsburgh, PA, USA
12. W. Batson, F. Zoueshtiagh and R. Narayanan (2012) Faraday wave dynamics of immiscible systems in finite cells, the 6th International Marangoni Association Conference, 18-21 of June, Haifa, Israel
13. W. Batson, F. Zoueshtiagh and R. Narayanan, Experiments on the mode selection in Faraday instability, American Physical Society Conference, Baltimore, MD, November 20-22, 2011
14. W. Batson, F. Zoueshtiagh, Ranga Narayanan (2011) 'Faraday waves-patterns and predictions', the 4th International Symposium on Physical Sciences in Space, 11-15 July, Bonn, Germany
15. Farzam Zoueshtiagh and Alain Merlen (2010) 'Micrometric particle collection by a moving triple contact line', the 5th Conference of the International Marangoni Association - Interfacial Fluid Dynamics and Processes, 7-10 Juin, Florence, Italy.
16. Alain Merlen, Philippe Brunet, Farzam Zoueshtiagh, Vincent Thomy, Florian Lapiere, and Yannick Coffinier (2010) 'Forced impalement of liquids by drop impacts on non wetting surfaces', the 5th Conference of the International Marangoni Association - Interfacial Fluid Dynamics and Processes, 7-10 Juin, Florence, Italy.
17. Philippe Brunet, Michael Baudoin, Olivier Bou-Matar and Farzam Zoueshtiagh (2010) 'Droplet displacement and deformation induced by surface acoustic waves', the 5th Conference of the International Marangoni Association - Interfacial Fluid Dynamics and Processes, 7-10 Juin, Florence, Italie.
18. W. Batson, F. Zoueshtiagh, Ranga Narayanan (2010) 'Faraday Interfacial Instability in Immiscible Layers', the 5th Conference of the International Marangoni Association - Interfacial Fluid Dynamics and Processes, 7-10 Juin, Florence, Italie.
19. Sakir Amiroudine, Farzam Zoueshtiagh, Ranga Narayanan (2010) 'Mixing generated by Faraday instability', the 5th Conference of the International Marangoni Association - Interfacial Fluid Dynamics and Processes, 7-10 Juin, Florence, Italie.
20. W. Batson, F. Zoueshtiagh, Ranga Narayanan (2010) 'Observations on Faraday instability', the 7th International Conference on Multiphase Flow ICMF 2010, 30 mai- 4 juin, Tampa, Floride, USA
21. Farzam Zoueshtiagh, Sakir Amiroudine, Ranga Narayanan (2009) 'Etude expérimentale et numérique de l'instabilité de Faraday entre deux liquides miscibles', 19ème Congrès Français de Mécanique, 24-28 août, Marseille, France.
22. Sakir Amiroudine, Farzam Zoueshtiagh, Ranga Narayanan (2008) 'An experimental and numerical study of Faraday instability with miscible liquids' XXII ICTAM, Adelaide, Australia, 25-29 August 2008
23. A. Merlen, F. Zoueshtiagh, P. Thomas (2008) 'Particles Separation by Oscillation in a Capillary Tube'. The Sixth International Conference on Nanochannels, Microchannels and Minichannels ASME ICNMM 2008. Technische Universität Darmstadt, Darmstadt, Germany June 23-25th.
24. P.J. Thomas, F. Zoueshtiagh, A. Merlen, V. Thomy (2008) 'Micro Ripples, Sand Ripples And Their Universal Wavelength Scaling'. The 7th EUROMECH Fluid Mechanics Conference. University of Manchester, United Kingdom September 14-18th.
25. Olivier Ducloux, Elisabeth Galopin, Jean-Christophe Camart, Vincent Thomy, Farzam Zoueshtiagh (2007) 'Surface acoustic wave  $\mu$ -streaming to enhance biosensing in a droplet-based  $\mu$ -tas platform'. Eleventh International Conference on Miniaturized Systems for Chemistry and Life Sciences,  $\mu$ TAS 2007 conference 7-11 octobre, Paris, France.
26. Harunori Yoshikawa, Farzam Zoueshtiagh, Hervé Caps, Pascal Kurowski, and Philippe Petitjeans (2007) 'Break-up of bubbles and drops under modulated gravity' Elgra Biennial Symposium, 4 - 7 Sept. 2007, Florence, Italie.
27. K. Kouakou, F. Zoueshtiagh, A. Merlen (2007) 'Fluidisation d'un lit granulaire étendu par une source localisée'. 18ème Congrès Français de Mécanique, 27-31 août, Grenoble, France.
28. A. Merlen, F. Zoueshtiagh, P.J. Thomas, V. Thomy (2007) 'Micrometric ripples in a capillary tube: the effect of microgravity', Second International Topical Team Workshop on Two-phase systems for ground and space application, 26-28 October, Kyoto, Japon
29. Harunori Yoshikawa, Farzam Zoueshtiagh, Hervé Caps, Pascal Kurowski, Philippe Petitjeans (2007) 'Bubble rupture in a vibrated liquid under microgravity', Second International Topical Team Workshop on Two-phase systems for ground and space application, 26-28 October, Kyoto, Japon
30. Zoueshtiagh, F. (2006), meeting of COST No. P21 "Physics of droplets", 12 Décembre 2006, Darmstadt, Allemagne.

31. Zoueshtiagh, F., Thomy, V., Thomas, P.J. (2006) 'Granular micro ripples in a capillary tube'. Book of Abstracts, Vol. 2, P. 332, Euromech 2006 Stockholm 20-25 Juin.
32. Kurowski, P., Caps, H., Zoueshtiagh, F., Petitjeans, Ph. (2006) 'Experimental study of a vibrated bubble in microgravity' Book of Abstracts, Vol. 2, P. 251, Euromech 2006 Stockholm 20-25 juin.
33. Zoueshtiagh, F., Kurowski, P., Petitjeans, P., Caps, H. (2005) Etude de la dynamique d'une en vibration, GDR Migrativité Fondamentale et Appliquée, 17-19 Oct., Carry-Le-Rouet, France.
34. Kurowski, P., Petitjeans, P., Caps, H., Zoueshtiagh, F. (2005) Air bubbles under vertical vibrations, European Microgravity 21-23 Sept. , Santorin, Greece.
35. Zoueshtiagh, F., Legendre, M. P., Caps, H., Van de Walle, N. (2003) 'Dancing Bubbles'. Book of Abstracts, p. 422 Euromech - 24-28 ao<sup>t</sup> 2003, Toulouse.
36. Thomas, P.J. , Zoueshtiagh, F., Ali, R., Carpenter, P. W. (2003) 'Boundar-layer transition over a rough rotating disk'. Book of Abstracts, p. 394, Euromech - 24-28 ao<sup>t</sup> 2003, Toulouse.
37. Thomas, P.J., Zoueshtiagh, F., Flexas, M.d.M., Sommeria, J. (2001) 'Experiments on Gravity-Driven Surface Currents Simulating Fresh-Water River Discharges into the Ocean'. Proc. of the 3rd Int. Symp. on Env. Hydr., Arizona State University, USA.
38. Zoueshtiagh, F., Thomas, P.J. (2000) 'Wavelength Scaling of Ripple Patterns in Rotating and Non-Rotating Fluvial Systems'. Book of Abstracts , p.178, 4th EUROMECH Fluid Mech. Conf., 19-23 Nov., Eindhoven, The Netherlands (ISBN 90-386-2652-5)
39. Zoueshtiagh, F., Thomas, P.J. (2000) 'Fluvial Ripple Patterns in Rotating and Non-Rotating Systems'. XVII Sitges Euroconference on Coherent Structures in Classical Systems, 5-9 Juin, Sitges, Spain.
40. Thomas, P.J. , Zoueshtiagh, F. (2000) 'A Cellular-Automaton Model to Simulate Spiral Patterns in Granular Media Underneath a Rotating Fluid'. British Applied Math. Colloq. 25-28 April, UMIST, Manchester.
41. Zoueshtiagh, F., & Thomas, P.J. (2000) 'Computational and experimental study of spiral patterns in granular media under a rotating fluid'. Abs. Book of Int. Cong. of Th. & Appl. Mech., (ISSN 0073-5264 n<sup>o</sup>950)
42. Kevin Ward, Farzam Zoueshtiagh, Satoshi Matsumoto, Ranga Narayanan (2015) 'Faraday instability in electrostatically forced liquid-air systems', 68th Annual Meeting of the APS Division of Fluid Dynamics, November 22–24, Boston, Massachusetts, USA
43. S. V. Diwakar, F. Zoueshtiagh, S. Amiroudine and R. Narayanan (2015) 'PART I: The linear stability analysis of Faraday instability in miscible fluid systems' GDR Microgravité Fondamentale et Appliquée, 11-13 novembre, Ballaruc-Les-Bains, France
44. S. V. Diwakar, Farzam Zoueshtiagh, Sakir Amiroudine, Ranga Narayanan, Satoshi Matsumoto, A. Brysev, L. Krutyanski, P. Shirkovskiy, P. Pernod, V. Preobraghensky (2015) PART II: Faraday instability between binary fluids in ground and micro-gravity environments, GDR Microgravité Fondamentale et Appliquée, 11-13 novembre, Ballaruc-Les-Bains, France
45. Ilyesse Bihi, Farzam Zoueshtiagh, Michael Baudoin, Jason E Butler, Christine Faille (2014) 'Micro-particles detachment from surfaces by fluid-fluid interface', NSF-PIRE conference, 30/03-02/04, Uni. Floride, Gainesville, USA.
46. I. Bihi, C. Faille, F. Zoueshtiagh (2013) 'Décrochage des micro-organismes adhérant aux parois d'un micro-canal par bulles', 9e Congrès National de la Société Française de Microbiologie, 7-8 Février 2013, Lille, France
47. W. Batson, F. Zoueshtiagh, R. Narayanan (2013) 'Faraday instability: part I - in gravity and microgravity environments', GDR Microgravité Fondamentale et Appliquée, 12-15 novembre, Carry le Rouet, France
48. Diwakar S. Venkatesan, Nikolay Smagin, Farzam Zoueshtiagh, Sakir Amiroudine, Ranga Narayanan (2013) 'Faraday Instabilities: Part II - Characterization of Fluids for Experiments on Miscible systems in Micro-Gravity Conditions', GDR Microgravité Fondamentale et Appliquée, 12-15 novembre, Carry le Rouet, France
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