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Education

Ph.D. candidate, Department of Physics, Shanghai Jiao Tong University, 2001-present(expected graduation date: February 2007)

- Dissertation: “Wetting Properties of Surfactant Systems”
- Advisor: Prof. Ma Hong-ru, Assoc. Prof. Ye Xi

Summer School in Soft Matter Physics, Institute of Physics, Chinese Academy of Sciences, summer 2004 (Beijing)

B.Sc., Department of Physics, Shanghai Jiao Tong University, 1997-2001

- Dissertation: “Brownian Dynamics with the Effect of Fluid Mechanics”
- Advisor: Prof. Ma Hong-ru

Research Interests

Soft matter related experimental physics. Wetting/spreading phenomena, surface/interface behaviors in surfactant contained systems, colloidal suspensions/polymer systems, granular matter, turbulence and any potentially analyzable complex systems in real life.

Conference Presentation

- “Behavior of Polydimethylsiloxane Oil Drop on Sodium Dodecylsulfate Solutions”, The 4th National Conference on Fluid and Soft Matter Physics, Ji’nan, 2004
- “Solid-like Spreading of a Liquid/Liquid System”, The 5th National Conference on Fluid and Soft Matter Physics, Guangzhou, 2006
- “Spreading of Polydimethylsiloxane on Triton X-100 Solutions”, The 14th National Conference on Condensed Matter and Statistical Physics, Guangzhou, 2006

Teaching Experience

2006/2—2006/6 Teaching Assistant, *General Physics*, Prof. Ma Hongru.
2005/9—2006/2 Teaching Assistant, *Mathematical Method In Physics*, Prof. Wang Xin.
2001/9—2005/6 Instructor, *University Experimental Physics*, National Center Of Physics Education, SJTU.

Language

English(fluent), German/French(conversational), Cantonese(sufficient), Mandarin(native).

Publications

- Y. Cheng, X. Ye, H. R. Ma, *Solid-like Spreading of a Liquid/Liquid System*, Appl. Phys. Lett., 89, 181906(2006)
- Y. Cheng, X. Ye, H. D. Huang, H. R. Ma, *Reentrant Wetting Transition on Surfactant Solution Surfaces*, J. Chem. Phys., 125, 164709(2006)
- X. Ye, Y. Cheng, H. R. Ma, *Relationship between Spreading Rate and Wetting Behavior of Oil on Surface of Surfactant Solution*, submitted(2006)
- X. Ye, Y. Cheng, H. R. Ma, *Spreading Behavior of Polydimethylsiloxane on Triton X-100 Solutions*, to be submitted.