

Date : 31 January 2014 , 17:30-18:30 (including discussion)

Place: Nagasaki International University, Faculty of Pharmaceutical Sciences.

Lecture: Dr. Chi Phan

How water can float on oil?

The interfacial properties, for instance between air/liquid or oil/water systems, exist in the limited region around the interface. Under special circumstances, however, these nano-scale effects can lead to interesting phenomena at macro-scale. Such physical observations have fascinated generations of the curious minds, including Aristotle and Leonardo da Vinci. This talk will present the underpinning mechanism of a newly reported observation: the floating of water on oil. The talk will also discuss about a potential application of the phenomena.

About the speaker

Dr. Chi Minh Phan got his Bachelor degree in Environmental Engineering from RMIT (Melbourne) in 2000. After few years with various consultant positions, he came to Newcastle University (NSW) for his PhD in Chemical Engineering. Since 2007, he has joined Curtin University and is currently a Senior Lecturer in Department of Chemical Engineering. His main research interests remains around the fluid/fluid interfaces, which he has been pursued over a decade.