# 國立中山大學應用數學系
# 學術演講

講　者：胡偉帆博士
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講　題：Simulating the Dynamics of Fluid-structure Interaction Problems: Models, Numerics and Applications

時　間：2015/3/19（星期四）14：10～15：00

地　點：理學院四樓理 SC 4009-1 室

## 摘要

　　The study of fluid-structure interaction problems is of major interests among applied mathematics community. It plays a crucial role in numerous natural phenomena and the design of engineering systems, especially we concentrate on the topics of microfluidic systems and soft matters.　In this talk, I will　give an overview of my research results: fluid-vesicle dynamics, amoeboid swimming motions, electrohydrodynamic sys- tems, and thin film coating process with surfactants. The above issues are known to be computational challenging in scientific computing community.　Our numerical results are shown to be in good agreement with experiments or theories, and the methods are ready to apply for more practical applications.

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敬 請 公 告！ 歡 迎 參 加！

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