

# NTU Mathematics Colloquium

**演講者** : Chun Liu (Professor, Department of Applied Mathematics, Illinois Institute of Technology)

**講題** : Active Fluids and Engineering and Biological Applications: The Energetic Variational Approaches

**時間** : 2023年5月22日 (星期一) 14:20 - 15:20

**地點** : 臺灣大學天數館 202 室

**摘要** : In this talk I will develop a general theory for active fluids which involve converting chemical energy into various type of mechanical energy. This is the extension of the classical energetic variational approaches for mechanical systems. The methods will cover a wide range of both chemical reaction kinetics and mechanical processes. Here we will focus on applications in micellar polymer solutions and muscle contractions.

This is a joint project with many collaborators, in particular, Bob Eisenberg, Yiwei Wang and Tengfei Zhang.

相關事宜請與顏湘伶小姐聯絡 [Tel:\(02\)3366-2822](tel:(02)3366-2822) 歡迎上網查詢 網址 : <http://www.math.ntu.edu.tw>



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