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SHANGHAI

纽约大学

NYU-ECNU

Institute of Mathematical Sciences
at NYU Shanghai

ANALYSIS/PDE SEMINAR SERIES

- TOPIC:** Q-tensor Approach to Nematic Liquid Crystals
- SPEAKER:** Yuning Liu, NYU Shanghai
- TIME:** 15:00–16:00, 18 December 2014
- VENUE:** Room 357, Geography Building, 3663 Zhongshan Road North,
Shanghai
(中山北路校区, 地理楼 357 室)

ABSTRACT OF THE TALK

In this presentation, we will talk about the relation between various models for nematic liquid crystals with emphasis on the use of the Landau-De Gennes's Q-tensor.

BIOGRAPHY

Yuning Liu is Visiting Assistant Professor of Mathematics at NYU Shanghai. Prior to joining NYU Shanghai, he was Assistant Professor of Mathematics at Universität Regensburg, Germany. He holds a PhD from Institut Élie Cartan Nancy, France.

Dr. Liu's research interests are mathematics of fluid mechanics and control theory. His work has appeared in the *SIAM Journal on Mathematical Analysis* and *ESAIM: Control, Optimization and Calculus of Variations*.