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SHANGHAI

纽约大学

NYU-ECNU

Institute of Mathematical Sciences  
at NYU Shanghai

# SPECIAL LECTURE SERIES

**TOPIC:** Extremum Problems for Elliptic Eigenvalues

**SPEAKER:** Fanghua Lin, New York University and NYU Shanghai

**TIME:** 13:30-14:30, 11 September 2014

15:00-16:00, 25 September 2014

13:45-14:45, 9 October 2014

15:00-16:00, 16 October 2014

15:00-16:00, 23 October 2014

15:00-16:00, 30 October 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

Eigenvalue problems are one of the classical topics in Analysis-PDE, Calculus of Variations and Mathematical Physics. And the study of these problems has always been fascinating. In this lecture series (6 in total) I shall discuss a few very simple and fundamental issues related to this topic, particular those arise in shape optimizations and optimal designs.

The main goal is to introduce some possible new research projects to researchers and students.

## BIOGRAPHY

Fanghua Lin is the Silver Professor of Courant Institute of Mathematical Sciences at New York University.