# Topics in modern probabilistic combinatorics

报告人　Jacques Verstraete

报告地点　数学楼 401

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研究方向　combinatorics and graph theory.

报告日程安排

| 报告时间 | | 报告内容 |
|---|---|---|
| 12 月 17 日 (周一)下午 15:00-17:00 | | Lecture 1　Existence arguments |
| 12 月 18 日 (周二)下午 15:00-17:00 | | Lecture 2　Correlation |
| 12 月 18 日 (周三)下午 15:00-17:00 | | Lecture 3　Concentration |
| 12 月 20 日(周四) | 上午 10:00-11:00 | Lecture 4　Extremal graph |
| | 下午 15:00-17:00 | |
| 12 月 21 日(周五) | 上午 10:00-11:00 | Lecture 5　Pseudorandom graphs |
| | 下午 15:00-17:00 | Lecture 6　Semirandom methods |

报告摘要

In this lecture series, we discuss both classical and modern probabilistic methods in combinatorics, with a focus on applications in extremal combinatorics as well as selection of applications to other areas of mathematics and theoretical computer science.

报告人主要工作

1. Prize for Solution to Erdos Problem

2. Alfred P. Sloan Research Fellowship

3. Program Director of the SIAM Discrete Mathematics Group