

LMS SOCIETY AND ANNUAL GENERAL MEETING 2021

Friday, 12 November 2021 at 3.00 pm at Goodenough College,
Mecklenburgh Square, Holborn, London WC1N 2AB and via videoconference

AGENDA

1. Minutes of General Meeting, 2 July 2021

To agree the minutes of the General Meeting held on 2 July 2021 (minutes attached).

2. Review of Society Activities 2020-21

A report will be given by a Vice-President, Professor Cathy Hobbs, on the Society's activities over the last year.

3. Report of the Treasurer

The Society's Treasurer, Professor Simon Salamon, will present his report on the past year and invite questions.

4. Resolutions to adopt the Trustees Report and to appoint the auditors:

5.1 Adoption of the Trustees' Report including the year-end accounts for 2020-21 (Trustees' Report attached)

5.2 Appointment of Auditors

The Society's President, Professor Jon Keating, will invite questions on the resolutions and recommend the adoption of the Trustees' Report and the appointment of the Auditors.

5. Presentation of Certificates to the 2021 LMS Prize Winners

Certificates will be presented to the winners of the Pólya Prize, Senior Whitehead Prize, Naylor Prize, Berwick Prize, Anne Bennett Prize and Whitehead Prizes.

6. Elections to Membership

Presentation of applications for election to membership.

7. Supporting Lecture – Professor Jens Marklof (University of Bristol)

Random Lattices

Abstract: Since the fundamental contribution of Minkowski, Siegel, Rogers, Schmidt and others, averages over the space of lattices have become an indispensable tool in number theory. A key breakthrough was the arrival of techniques from ergodic theory in the 1980s and 1990s, which led to the solution of numerous classic problems, including Margulis' proof of the Oppenheim conjecture and Ratner's celebrated measure-classification theorems. This lecture will explain that there is value in thinking of lattices not just 'on average' but as intrinsically random objects - point processes - and survey some recent applications ranging from pure mathematics to statistical physics.

Tea/Coffee Break

8. Election Results

The election results for vacancies on Council and Nominating Committee will be declared by the Scrutineers.

9. Handover of Presidential Office

10. Presidential Address – Professor Jonathan Keating FRS (University of Oxford)

Random Matrices and the Riemann Zeta-Function

Abstract: I will speak about yet another example of the wonderful interplay between Mathematics and Physics. In this, the theory of complex quantum systems, in particular random matrix theory, turns out to provide a remarkably accurate description of certain statistical properties of the Riemann zeta-function and the distribution of the primes. I will discuss the history of this unexpected relationship, and some recent developments relating to it.

11. Next General Meeting

The next General Meeting of the Society will take place on Friday 1 July 2022.

Caroline Wallace, Executive Secretary
22 October 2021

This event will be held in accordance with government Covid guidelines and may be subject to change or cancellation at short notice.