



## LMS SOCIETY AND ANNUAL GENERAL MEETING 2023

Friday, 17 November 2023 at 3.00 pm at Mary Ward House, 7 Tavistock Place, London.  
WC1H 9SN and via videoconference

### AGENDA

1. **Minutes of General Meeting, 30 June 2023**  
To agree the minutes of the General Meeting held on 30 June 2023 (minutes attached).
2. **Review of Society Activities 2022-23**  
A report will be given by a Vice-President, Professor Catherine 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:**
  - 5.1 Adoption of the Trustees' Report including the year-end accounts for 2022-23 (Trustees' Report attached)
  - 5.2 Note the tendering of the Society's external auditors for appointment at the General Meeting in June 2024.

The Society's President, Professor Ulrike Tillmann FRS, will invite questions on the resolutions and recommend the adoption of the Trustees' Report.
5. **Presentation of Certificates to the 2023 LMS Prize Winners**  
Certificates will be presented to the winners of the Pólya Prize, Senior Whitehead Prize, Senior Anne Bennett Prize, Naylor Prize and Lectureship, Berwick Prize, Whitehead Prizes, and the Hirst Prize and Lectureship.
6. **Elections to Membership**  
Presentation of applications for election to membership.
7. **Election Results**  
The election results for vacancies on Council and Nominating Committee will be declared by the Scrutineers.
8. **Supporting Lecture** – Professor Oscar Randal-Williams (Cambridge)  
*Symmetries of manifolds*

Abstract: Whenever one studies a mathematical object one ought also to study its symmetries. Manifolds---spaces which look locally like ordinary Euclidean space but which can be globally complicated---are the central objects of study in topology and geometry, and their groups of

symmetries come in many flavours (isometries, diffeomorphisms, homeomorphisms, ...). I will discuss some classical results about rigid symmetries, and then some recent results about the spaces of all symmetries of certain manifolds.

**Tea/Coffee Break**

**9. Handover of Presidential Office**

**10. Presidential Lecture 2023:** Professor Ulrike Tillmann FRS (INI Cambridge)

*Utilising Shape in Data.*

Abstract: Modern science and technology generates data at an unprecedented rate. A major challenge is that this data is often complex, high dimensional, and may include temporal or spatial information. The "shape" of the data can be important but it is difficult to extract and quantify. The field of topological data analysis is still quite young. We will give an introduction, present some applications, and discuss theoretical challenges. Beyond basic linear algebra, little previous knowledge will be assumed.

**11. Next General Meeting**

The next General Meeting of the Society will take place on Friday 28 June 2024.

Simon Edwards  
Executive Secretary  
24 October 2023