

## London Mathematical Society Prizes 2017

In 2017, Council expects to award **The Pólya Prize, The Shephard Prize, The Senior Whitehead Prize, The Naylor Prize and Lectureship, The Senior Anne Bennett Prize, The Berwick Prize and upto 6 Whitehead Prizes.**

**The Pólya Prize** is awarded in recognition of outstanding creativity in, imaginative exposition of, or distinguished contribution to, mathematics within the United Kingdom. The Prize is awarded in memory of Professor George Pólya (*pictured*), who was a Member (and later Honorary Member) of the Society for about 60 years.



### Eligibility

- The Pólya prize may not be awarded to any person who has previously received the De Morgan Medal.

Recent Pólya Prize winners are Boris Zilber (2015), Miles Reid, FRS (2014) and Dan Segal (2012).

**The Shephard Prize** the result of a very generous donation made by Professor Geoffrey Shephard, a long-standing member of the Society. The grounds for the award are for making a contribution to mathematics with a strong intuitive component which can be explained to those with little or no knowledge of university mathematics, though the work itself may involve more advanced ideas. Professor Shephard's own work has been concerned with convex geometry and tessellations, and in awarding the prize the Society may show preference for contributions which reflect his interests. The Shephard Prize will be awarded in recognition of a specific piece of work – in the event that the work is joint-authored, the prize will be divided. For the avoidance of doubt, there is no requirement that the nominated work was published in an LMS journal. The inaugural Shephard Prize was awarded in 2015 to Keith Ball, FRS.

### Eligibility

- The Shephard Prize will awarded to a mathematician or mathematicians who, on 1 January of the year of the award, is either (i) normally resident in the United Kingdom of Great Britain and Northern Ireland, or (ii) a member of the Society mainly educated in the United Kingdom.
- The Shephard Prize may not be awarded to any person who has received the De Morgan Medal or the Pólya Prize.



**The Senior Whitehead Prize** is awarded on the grounds of either work in, influence on or service to mathematics, or in recognition of lecturing gifts in the field of mathematics. The award is in memory of Professor J.H.C. Whitehead, a former President of the Society (*pictured*).

### Eligibility

- The Senior Whitehead Prize is awarded to a mathematician who is normally resident in the United Kingdom on 1 January 2017;
- The prize cannot be awarded to any person who has previously received the De Morgan Medal, Pólya Prize, Senior Anne Bennett Prize or the Naylor Prize.

Recent winners include Robert MacKay, FRS (2015), Frances Kirwan, FRS (2013) and Jonathan Pila, FRS (2011).

**The Naylor Prize and Lectureship in Applied Mathematics** may be awarded on the grounds of work in, and influence on, and contributions to applied mathematics and/or the applications of mathematics, and lecturing gifts. The award is in memory of Dr V.D. Naylor. The winner of the Naylor Prize will be invited to give the Naylor Lecture at the Society Annual General Meeting in London in November 2018.

### Eligibility

- The Naylor Prize is awarded to a mathematician who is normally resident in the United Kingdom on 1 January 2017;
- The Naylor prize cannot be awarded to any person who has previously received the De Morgan Medal, Pólya Prize the Senior Anne Bennett Prize or the Senior Whitehead Prize.

Recent winners include S. J. Chapman (2015), L. N. Trefethen (2013) and J.B. Mcleod, FRS (2011).

**The Senior Anne Bennett Prize:** Council has instituted the prize in memory of Anne Bennett who died suddenly whilst working for the Society in 2012. Anne took a strong interest in women in science, and the prize seeks to recognise both excellent mathematical research and contributions to the advancement of women in mathematics. The grounds for the award are work in, influence on or service to mathematics, particularly in relation to advancing the careers of women in mathematics.

#### Eligibility

The Senior Anne Bennett Prize is awarded to mathematicians:

- Who are normally resident in the United Kingdom of Great Britain and Northern Ireland on 1st January of the year of the award.
- The prize may not be awarded to any person who has received the De Morgan Medal, the Pólya Prize, the Naylor Prize or the Senior Whitehead Prize.

The winner will be invited to give a lecture at the Society's women in maths day in 2018.

The inaugural winner of the Senior Anne Bennett Prize, awarded in 2014 was Caroline Series, FRS.

**The Whitehead Prizes:** grounds for this award include work in and influence on mathematics. The prize is awarded in memory of Professor J.H.C. Whitehead (President, 1953-55). Up to six prizes will be awarded in 2017.

#### Eligibility

- The Whitehead Prizes are awarded to mathematicians who:
  - are normally resident in the United Kingdom on 1 January 2017 or are members of the Society mainly educated in the United Kingdom;
  - are *not* already Fellows of the Royal Society;
  - have fewer than 15 years (full time equivalent) of involvement in mathematics at post-doctoral level, allowing for breaks in continuity, or in the opinion of the Prizes Committee are at an equivalent stage in their career.
- A Whitehead Prize cannot be awarded to any person who has won any of the Society's other prizes with the exception of the Berwick and Senior Berwick Prize and the Anne Bennett Prize.

The winners of the 2016 Whitehead Prizes were: Jason Miller, Arend Bayer, Gustav Holzegal and Carola-Bibiane Schonlieb.

The Whitehead Prize may be awarded jointly to individuals who, in collaboration have had a significant influence on mathematics. Nominators should note that if they make a joint-nomination then all of the individuals nominated must meet the eligibility requirements, including UK residence and the academic age limits.

## Prizes Nomination Form 2017

Please complete one form for each candidate nominated **IN CONFIDENCE**

Candidate:								
Candidate institution(s):								
Candidate country of residence on 1 January 2017:								
Candidate's Year of PhD Awarded (Whitehead Prize):								
Nominator:								
Nominator's email address (to confirm receipt of this form):								
Professional relationship of Nominator to Candidate(s) (if any):								
Suggested referees (including email addresses):								
<p>Prize(s) for which candidate is nominated (Tick <input checked="" type="checkbox"/> where appropriate):</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center; padding: 5px;">Polya Prize <input type="checkbox"/></td> <td style="width: 25%; text-align: center; padding: 5px;">Shephard Prize <input type="checkbox"/></td> <td style="width: 25%; text-align: center; padding: 5px;">Senior Whitehead Prize <input type="checkbox"/></td> <td style="width: 25%; text-align: center; padding: 5px;">Naylor Prize and Lectureship <input type="checkbox"/></td> </tr> <tr> <td style="text-align: center; padding: 5px;">Senior Anne Bennett <input type="checkbox"/></td> <td style="text-align: center; padding: 5px;">Whitehead Prize <input type="checkbox"/></td> <td></td> <td></td> </tr> </table> <p><u>Checklist</u></p> <p>I confirm that the candidate(s) meets the criteria for eligibility: <span style="float: right;"><input type="checkbox"/></span></p> <p>I have attached a copy of the candidate's short CV: <span style="float: right;"><input type="checkbox"/></span></p> <p>I have attached a copy of the candidate's short list of publications: <span style="float: right;"><input type="checkbox"/></span></p> <p><b><u>PLEASE NOTE - NOMINATIONS THAT DO NOT INCLUDE A SHORT CV AND SHORT PUBLICATIONS LIST WILL NOT BE CONSIDERED BY THE PRIZES COMMITTEE. THE CV, PUBLICATIONS LIST AND NOMINATION FORM (EXCLUDING COVER SHEET) SHOULD BE NO MORE THAN 6 SIDES OF A4 IN TOTAL USING NO SMALLER THAN 11 POINT FONT.</u></b></p> <p><b><u>NOMINATIONS WILL BE CONSIDERED FOR TWO PRIZE AWARD ROUNDS, PROVIDING THAT THE NOMINEE REMAINS ELIGIBLE FOR THE PRIZE.</u></b></p>	Polya Prize <input type="checkbox"/>	Shephard Prize <input type="checkbox"/>	Senior Whitehead Prize <input type="checkbox"/>	Naylor Prize and Lectureship <input type="checkbox"/>	Senior Anne Bennett <input type="checkbox"/>	Whitehead Prize <input type="checkbox"/>		
Polya Prize <input type="checkbox"/>	Shephard Prize <input type="checkbox"/>	Senior Whitehead Prize <input type="checkbox"/>	Naylor Prize and Lectureship <input type="checkbox"/>					
Senior Anne Bennett <input type="checkbox"/>	Whitehead Prize <input type="checkbox"/>							

*Continued overleaf*

Case for Award:

[In this box, explain briefly why the nominee(s) deserves the award (500 word limit). **This section of the nomination form is important.** It should make a strong scientific case for the award of a prize. [Nominations for the Senior Anne Bennett Prize should include here some detail about how the nominee has acted as an inspiration for women mathematicians]

Signature of Nominator .....

Date.....

*Personal data provided on this form may be held and processed on the Society's computers. A summary of the Society's data protection policy, including the rights of subjects upon whom data is held, is obtainable from the Administrator.*

Please return this form by **24th January 2017** (marking your envelope 'In Confidence'), to:  
Secretary to the Prizes Committee, The London Mathematical Society,  
De Morgan House, 57-58 Russell Square, London WC1B 4HS.

PLEASE NOTE THAT ALL NOMINATIONS RECEIVED WILL BE ACKNOWLEDGED BY EMAIL

Enquiries: +44 (0) 20 7927 0801 email: prizes@lms.ac.uk

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