



# MATHEMATICAL EDUCATION ON MERSEYSIDE

Registered Charity No. 517028

## ORBITER

2026

JANUARY

MEM Orbiter can be downloaded free of charge from [www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/)

### Liverpool Mathematical Society (LivMS)



#### Popular Lecture

**Wednesday 04 February 2026**

17:00 to 18:00PM in-person only

**University of Liverpool** room tbc.

#### Checking the Calculations: How do engineers trust their designs?

**Dr Ksenija Dvurecenska**

(School of Engineering, UoL)



Engineers are constantly developing new designs and technologies for a safer and more sustainable future.

With our growing understanding of the world and computational capabilities, computer simulations have transformed how we study engineering systems and environment around us.

A simulation uses maths to show how an engineering system or a scientific phenomenon works in real life. It helps scientists and engineers understand and test what might happen under different circumstances.

Suitable for Year 11 up and anyone interested in Mathematics

[Further details](#) and [Registration](#)

### MEM Challenge & Senior Challenge, LivMS Open Challenge

Copies of these **take-home competitions** for pupils in **Y7/8** (Challenge), **Y9/10** (Senior Challenge), and **Age 18 and under** (Open Challenge) will be mailed directly to Heads of Maths in all secondary schools by 31 January 2026, and can be **downloaded** from the websites below. They should be made available to pupils over **February half-term 2026**. Participation is **FREE**.

Further details at [www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/) and [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

### LivMS Presidential Lecture

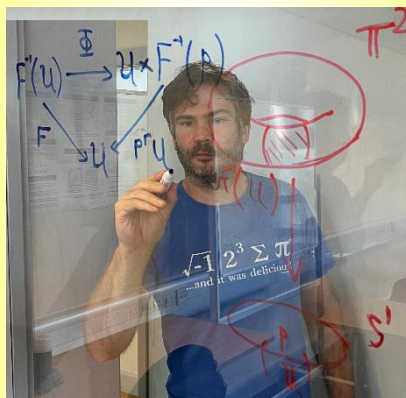
**Wednesday 11 March 2026**

17:00 to 18:00PM room tbc.

**University of Liverpool**

#### Singularities: When Smooth Things Go Sharp

**Dr. Graham Reeve** (President, Liverpool Mathematical Society)



Suitable for Year 11 up and teachers

Further details and Registration [HERE](#)

### Join Liverpool Mathematical Society

Membership of the Society is important to us, so please join if you can: [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/) and click on Membership (free for students)

### LivMS Sixth Form Pop Maths Quiz

The 22nd annual Pop Maths Quiz will take place both online and face to face **at Liverpool John Moores University** Student Life Building on

**Saturday 14 March 2026**

10:00AM to 2:00PM tbc.

Put the date in your diaries and keep an eye on the LivMS website for updates: [2026 Pop Maths Quiz](#)

### MEM Y8/9 Masterclasses

The 2025 Series was held face-to-face with 56 pupils attending at 4 venues on 4 Saturdays.



### LivMS FunMaths Roadshow

This very popular resource is available as a download in English and Welsh versions. For more details and to order go to [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/) and click on **FunMaths Roadshow**.

A selection of these activities for use at home can be downloaded (free!):

[FunMaths Roadshow Home Activities](#)

### Contact MEM

[www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/)

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MEM Secretary: Lily Clarke  
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[clarkl@ridgeway.wirral.sch.uk](mailto:clarkl@ridgeway.wirral.sch.uk)

### LivMS Bursary Fund

Applications for bursaries made up to **28 February 2026** will be considered on a first-come first-served basis. We expect to award bursaries of between £50 and £300 (in exceptional circumstances, up to £500). For further details go to [LivMS Bursary Fund](#)

MEM and LivMS are pleased to acknowledge generous financial help received during the past 12 months from the Company of Actuaries Charitable Trust, P H Holt Foundation, Leverhulme Trust, Liverpool Hope University, Liverpool John Moores University, Mercer, University of Liverpool, University of Liverpool Maths School, and W.H.Smith Promotions Ltd.