



Making the most of
mathematical talent

ADMIRAL



Sponsored by

The venue is a five-minute walk from Birmingham
New Street Station.

www.conservatoire.uce.ac.uk/about/directions

For details see:

TRANSPORT & PARKING

To confirm your booking you will need to send your
cheque to us with the booking form (overleaf)
within three weeks of your provisional booking.

bookings.
per school (including teachers) for provisional
or colleges. There is an upper limit of 66 seats
like. We only accept bookings from schools
afternoon), and the number of seats you would
name, address, the event (Birmingham morning/
Elaine Standish on 020 8693 9259 with your

You can provisionally book seats by e-mailing
info@mathsinspiration.com or by telephoning

BOOKING

www.mathsinspiration.com

Sponsored by



ADMIRAL

Making the most of
mathematical talent

Maths Inspiration

For Sixth formers and Year 11s

At the Adrian Boult
Concert Hall, Birmingham

Thursday 22nd November, 2007

Colin Wright, David Acheson,
Paul Shepherd and Nadia Baker

...reveal that Mathematics does
have a life beyond A Levels

9.45 - 12.25 and 1pm - 3.45pm

£5 per head (1 adult free per 10 students)

Places are limited, so book early!

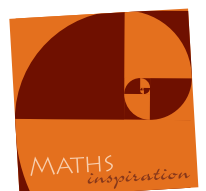
What the teachers said last year:

"There is a new spring in our
Maths lessons!"

"It really inspired the students
and the teachers"

"So important to see maths out
of exam context"

"Thank you for yet another
superb show"



Maths Inspiration

For Sixth formers and Year 11s

Chaired by **Nadia Baker** of *The Enigma Project*

Colin Wright: *The Mathematics of Juggling*

In this acclaimed talk, mathematician Colin Wright will display his juggling skills, while at the same time analysing what is going on. He will describe how he invented a mathematical notation for juggling, and show how that information was used to invent new routines. Thinking and problem solving don't come more entertaining than this.

David Acheson:

Catastrophe, Chocolate and The Electric Guitar

Why might a simple piece of curtain wire have grave implications for global warming? When can chocolate be used to prove a theorem? And how can maths help with playing the guitar? David Acheson looks at some surprising applications of mathematics, with the help of practical demonstrations and computer experiments.

Paul Shepherd: *The Maths of Sports Stadiums*

The Millennium Dome and Arsenal's breathtaking new Emirates Stadium are two of the country's most talked about structures. But did you know that maths has been critical to both? Mathematician and engineer Paul Shepherd will explain how mathematics helps with roof design, spectators' views, and even making the grass grow better. If you think geometry has no relevance to the real world, think again.

Who's who?

Colin Wright graduated in Pure Mathematics at Monash University, Melbourne, before going on to get a PhD in Cambridge. While there he learned how to fire-breathe, unicycle and juggle. These days he is director of a company that specialises in software for marine radar, but takes time out to give juggling talks all over the world.

David Acheson is a Fellow of Jesus College Oxford, and the author of the highly acclaimed book *1089 and All That*. In 1992 he discovered a strange gravity-defying upside-down-pendulum theorem, a possible explanation of the classic Indian Rope Trick, which he demonstrated live on BBC's *Tomorrow's World*. In his spare time, David is a keen guitarist.

Paul Shepherd is Research Fellow in the Architecture and Civil Engineering Department at Bath. Paul has worked on projects led by some of the world's leading architects including Norman Foster and Richard Rogers, and his design software has won several awards.

Nadia Baker Nadia studied Maths, Computer Science and Japanese at Adelaide University, Australia. She worked for a Science Circus, then came to England where, after a spell teaching maths, she became the Enigma Schools Project Officer. Now she travels the UK talking about codes and code breaking.

Booking form: Birmingham

Please complete and return this form to:

Maths Inspiration, 18 Colwell Road, London SE22 8QP

Including Teachers + Students I would like:

Seats for the AM session (9.45 – 12.25)

Seats for the PM session (13.00-15.45)

No. of Student Seats: x £5 = (£) (A)

No. of Free Adult Seats:
(1 adult seat free for every 10 pupils)

No. of Paying Adult Seats: x £5 = (£) (B)
(eg 25 pupils with 4 adults means 2 paying adults)

I enclose a cheque made payable to
'**Maths Inspiration**' for (£) (A + B)

Name:.....

School:.....

School Address:

Telephone Number:

Email Address:

