



# Mathematical Sciences Events

## Pi Hunting

Wednesday 15 September 15:00-17:00

**Robin Wilson, Tony Mann, Mark McCartney, Noel-Ann Bradshaw**

For thousands of years, people have been obsessed with Pi and tried various ingenious methods to calculate its digits. Come and explore the amazing history of Pi.

**Location: MB518 (Aston campus) Cost: £5**

## 75 Years of Radar

Friday 17 September 10:00-12:00

**Chris Budd, Colin Wright, Cathryn Mitchell**

Radar was invented 75 years ago. It made a vital difference to winning the war and continues to keep us safe in the air (as well as catching us if we are speeding). The session will describe the history, current use and future possibilities of radar.

**Location: MB155 (Aston campus) Cost: £5**



## MATHS PRESIDENTIAL LECTURE:

**How risky is it and how ignorant are we?**

Friday 17 September 16:00-17:00

**David Spiegelhalter**

Uncertainty may be due to unpredictability or ignorance, and often there's a messy mixture of the two. The scientific approach to all uncertainty is through probability theory. Find out how uncertainty can be quantified, whether it's about football results, swine flu or climate change.

**Followed by a Reception sponsored by the Royal Statistical Society.**

**Location: MB550 (Aston campus) Cost: £3**

## Geometry of the Industrial Revolution

Friday 17 September 18:30-19:30

**Chris Sangwin**

The Industrial Revolution completely changed the world, but it would not have been possible without Mathematics. Have a closer look at the Mathematics that was vital to the birth of our modern industrial world.

**Location: Thinktank (sci museum) Cost: £3**

## The Maths & Computing Magic Show

Saturday 18 September 16:00-17:30

**Peter McOwan**

Witness an amazing magic show and sneak behind the scenes to explore the maths and computing powering the tricks. An interactive magic stage show-with plenty of volunteers from the audience. The tricks are performed and then the maths and computing principles behind each is explored.

**Location: MB550 Cost: £3**

## The Serious Side of Scientific Trivia

Sunday 19 September 16:00-17:00

**Robert Matthews**

Curiosity-driven science and mathematics may not initially be perceived as relevant or useful to society. However this talk will discuss many important examples of curiosity-driven science which have had major impact. In addition, the results of the Great British Knot Experiment will be revealed.

**Location: MB518 (Aston campus) Cost: £3**

## ALL WEEK: Maths on the Street

**Sara Santos (Royal Institution) with Matt Parker and other buskers**

Throughout the week of the British Science Festival, teams of Maths Buskers will take to the streets of Birmingham to show the general public just how amazing mathematics can be!

**Location: Various (details tbc) Cost: Free**

