



Christmas Lecture

Mathematics and Sport

Professor John D Barrow FRS,
University of Cambridge.

**Thursday 1 December, 6.00pm CC.0.11 (James France building).
All staff and students welcome; no booking required.**

In this lecture we will reveal some of the many ways in which simple mathematics helps us understand and improve sporting performance. Running, rowing, throwing, cycling, jumping, and weightlifting are among the examples we will examine from a new perspective using simple mathematics. Along the way, we will see how Usain Bolt can break his world 100m record without running any faster and investigate some of the odd scoring systems that abound in sports events.

About the speaker

Professor John Barrow is one of the outstanding scientists of his generation, having written nineteen books and over two hundred and fifty papers in refereed journals. In 2003 he was elected as a Fellow of the Royal Society, which is one of the most prestigious titles that can be awarded for scientific work. He has also made major contributions to the public understanding of mathematics, and was recently awarded the Christopher Zeeman medal for his work in this area.

For further details contact Ian Thompson <i.thompson@lboro.ac.uk>