

THE RICHARD  
& LOUISE GUY  
LECTURE SERIES

# POETRY, DRUMMING AND MATHEMATICS

THE DEPARTMENT OF MATHEMATICS AND STATISTICS PRESENTS

**Manjul Bhargava, Professor  
Mathematics Department, Princeton University  
2014 Fields Medal Winner**

Thursday, September 15, 2016  
5–6 p.m. | MacEwan Hall Ballroom

Admission is FREE  
Please register at [math.ucalgary.ca](http://math.ucalgary.ca)

Mathematics pervades all the sciences, but it also lies at the heart of a number of fields in the humanities. Two such important subjects which go back to ancient times are linguistics and music. In fact, many of the modern mathematical tools used in probability and combinatorics, and tools applied in varied technologies, such as those on NASA space missions, originate in problems encountered by linguists and musicians thousands of years ago. A look at some of these ancient, poetic problems – and their remarkable solutions through the ages – reveals much about the nature of human thought and the origins of mathematics.

JOIN US IN CELEBRATING  
RICHARD GUY'S  
100TH BIRTHDAY!

IN PARTNERSHIP WITH:



The Richard & Louise Guy lecture series, presented from Louise Guy to Richard in recognition of his love of mathematics and his desire to share his passion with the world, celebrates the joy of discovery and wonder in mathematics for everyone.

50 years of discovery