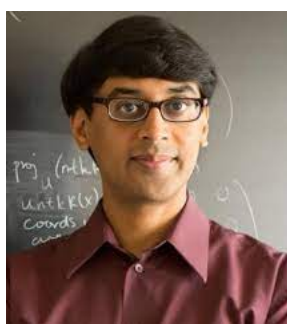# Department of Mathematics
Panjab University, Chandigarh

The First Sarvadaman Chowla Memorial Lecture

Square Values of Mathematical Expressions

by

Manjul Bhargava

Princeton University, USA

on **14th March, 2015 at 10 am**

in S. S. Bhatnagar Auditorium of University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh.

Abstract: *Understanding whether (and how often) a mathematical expression takes a square value is a problem that has fascinated mathematicians since antiquity. In this lecture, I will give a survey of this problem, starting from its independent origins in many cultures in ancient times, to some of the major advances of the modern day.*

About the Speaker: *Professor Manjul Bhargava, an Indian-American mathematician, obtained Ph.D. in 2001 from Princeton University. He became professor at Princeton University in 2003. He is the third youngest full professor in Princeton University's history. Some of the honors won by Professor Bhargava include prestigious Morgan Prize (1996), SASTRA Ramanujan Prize (2005), the Cole Prize in Number Theory of the American Mathematical Society (2008), the Fermat Prize (2011), and the Infosys Prize (2012). In 2014, Bhargava was awarded the Fields Medal for developing powerful new methods in the geometry of numbers, which he applied to count rings of small rank and to bound the average rank of elliptic curves. Recently, in 2015, Professor Bhargava has been conferred the Padma Bhushan.*