universität wien
Fakultät für Mathematik

ANTRITTSVORLESUNG
Mathematisches Kolloquium

Mittwoch, 16. Jänner 2019
Sky Lounge

EINLADUNG

Alberto Mínguez
(Uni Wien)

„From Congruent Numbers to Modern Number Theory“

"From Congruent Numbers to Modern Number Theory"

Abstract:
A congruent number is defined as a positive integer that equals the area of a rectangular triangle whose sides have rational lengths. The first few congruent numbers are 5, 6, 7, 13, 14, 15, 20, 21, 22, 23, 24, ... The question of whether a given integer is a congruent number turns out to be equivalent to a problem about certain Elliptic Curves. Using congruent numbers as an excuse we will give a gentle introduction to some fundamental problems in Number Theory, such as the Birch Swinnerton-Dyer Conjecture, Fermat's Last Theorem and the Langlands Conjectures.
The talk addresses a general audience with no specific knowledge in Number Theory.

15.45 Uhr: Kaffeejause

16.15 Uhr: Vortrag

vinum cum pane im Anschluss

Christian Krattenthaler