

# **A VAST GENERALIZATION OF QUADRATIC RECIPROCITY**

PANAGIOTIS TSAKNIAS

In this talk I will try to give a brief account modern tools of algebraic number theory like Galois representations and modular forms, and explain how one can interpret the theory developed as a generalization of the well known quadratic reciprocity.

UNIVERSITY OF LUXEMBOURG, CAMPUS KIRCHBERG, MATHEMATICS RESEARCH UNIT,  
6, RUE RICHARD COUDENHOVE-KALERGI, L-1359 LUXEMBOURG CITY, GRAND DUCHY  
OF LUXEMBOURG