RUTGERS
UNIVERSITY | NEWARK

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Colloquium

THE FONTAINE-MAZUR CONJECTURE IN DIMENSION TWO

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Princeton

ABSTRACT:

The Fontaine-Mazur conjecture predicts which two-dimensional p-adic representations of the absolute Galois group of Q arise from modular forms. In this talk, I will explain this conjecture by some concrete examples and report some recent progress which relies on some recent developments of p-adic geometry.

4 − 5pm
Wednesday, April 3, 2024
Room 204, Smith Hall