Ravi Ramakrishna from Cornell University

Friday, June 6, 2014 - 2:30pm
Thomson Hall 101

Galois Representations
Ravi Ramakrishna from Cornell University

In the last 30 years representations of (infinite) Galois groups have played an increasingly important role in number theory. Indeed, arithmetic objects such as the Diophantine equation $y^2 = x^3 + x^2 + 1$ or $x^n + y^n = z^n$ often have attached Galois representations that ‘know’ the solutions. This talk will survey a small slice of this theory and will be accessible to mathematicians in all disciplines.

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