



CLAREMONT CENTER for  
the MATHEMATICAL SCIENCES

CCMS COLLOQUIUM

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THE COMBINATORIAL REVOLUTION

IN

KNOT THEORY

by

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ABSTRACT

Much as our concept of ‘number’ has evolved over time, what we mean by ‘knots’ has recently undergone its own evolutionary generalization. We will explore new types of generalized knots including virtual knots, singular knots, flat virtual knots and more. These new knot types motivate related algebraic structures such as kei, quandles, racks and biquandles. This talk is based on an article scheduled to appear in Notices of the AMS in 2010.

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**Wednesday, September 9, 2009, at 4:15pm**

Millikan 134, Pomona College

**Refreshments served at 3:45 p.m.**

Harry Mullikin Room, Millikan 209

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*The dinner will be hosted by Prof. Jim Hoste  
If interested in attending, call ext. 73258*