

# Colloquium

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January 14, 2009

4:10pm

Surge 284

*Tea Time will be at 3:40pm*

**Vasiliy Dolgushev**

**(UC Riverside)**

## ***“Hi, my name is Operad”***

Abstract: Operads for algebras are as important as governments for countries. There is the operad “Lie” whose algebras are exactly Lie algebras, there is the operad “Comm” whose algebras are exactly commutative and associative algebras. There is also the operad “Assoc” whose algebras are exactly associative algebras. In other words, operads allow us to single out types of algebraic structures. In my talk I will give a popular introduction to operads. I will describe interesting examples from algebra, geometry and topology. I will put the accessibility of my talk versus the desire to explain recent results on the first place. Still I may have time to mention some recent results.

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