



Knot Theory and Its Applications to Physics and Quantum Computing

Conference honouring Jozef H. Przytycki on his 60th birthday

Knots
University of Texas at Dallas
January 6-9, 2015

Statistical Mechanics

Plenary speakers

Anna Beliakova

Bob Coecke

Louis H. Kauffman

Mikhail Khovanov

Peter Ozsvath

Zhenghan Wang

Hochschild homology

Persistent Homology

Khovanov homology

Categorification of skein modules

Jones polynomial

Skein Modules

Organizers

Mieczyslaw K. Dabkowski

Tobias Hagge

Valentina S. Harizanov

Viswanath Ramakrishna

Radmila Sazdanovic

Adam S. Sikora

skein modules of a product of a surface and the interval

generating sets

Burnside groups

Burnside group of links

Quandles — Quandle Homology

Keis (involutive quandles)

Burnside Keis (invariant under n -moves)

Distributive homology

