Schedule for SS R1-4, Knots & Primes

Wednesday January 15:

SS R1 : 8:00 - 10:55 : **Knots and Primes: an Introduction**

8:00 - 9:15: Adam S. Sikora asikora@msn.buffalo.edu: Ideles in number theory and topology [983-57-1287]

9:00 - 9:45: Masanori Morishita morisita@kenroku.kanazawa-u.ac.jp: Analogies between primes and knots, number fields, and 3-manifolds [983-11-1271]

10:00 - 10:45: Louis H. Kauffman kauffman@uic.edu: Colorings of Knots and Links – Combinatorial Conjectures [983-57-1053]

SS R2 : 2:15 - 6:05 : **Quantum Knot Theory**

2:15 - 3:00: Hitoshi Murakami starshea@tky3.3web.ne.jp: Various limits of the colored Jones polynomials of the figure-eight knot [983-57-1159]

3:15 - 4:00: Dylan P. Thurston dpt@math.harvard.edu: The Kontsevich integral of the unknot [983-55-1504]

4:15 - 5:00: Toshitake Kohno kohno@ms.u-tokyo.ac.jp: Loop spaces of orbit configuration spaces and chord diagrams on surfaces [983-55-1353]

5:15 - 6:00: Thang T. Le letu@math.buffalo.edu: On cyclotomic expansion of quantum 3-manifold invariants [983-57-1165]

Thursday January 16:

SS R3 : 8:00 - 12:00 : **Knots, Primes, Dynamics, and Physics**

8:15 - 9:00: Alexander Fel'shtyn felshtyn@math.uni-siegen.de: Dynamical zeta functions, Nielsen theory, and Reidemeister torsion, [983-37-1505]

9:00 - 9:45: Jan Dymara, Tadeusz Januszkiewicz, Jozef Przytycki* dymara@math.uni.wroc.pl, tjan@math.uni.wroc.pl, przytyck@gwu.edu: Number theoretical criterion for invariance of Fox p-colorings under n-rotation [983-57-1107]

10:00 - 10:45: Stavros Garoufalidis stavros@math.gatech.edu: Knot theory and mirror symmetry [983-57-1506]

11:00 -11:45: Katia Consani, Matilde Marcolli* kc@math.toronto.edu, marcolli@mpim-bonn.mpg.de: Non-commutative geometry, dynamics, and infinity-adic Arakelov geometry [983-14-735]

SS R4: 1:00 - 4:00 : **Avant-garde Galois theory**

1:00 - 1:45: Hiroaki Nakamura h-naka@math.okayama-u.ac.jp: On some equations in the Grothendieck-Teichmueller group [983-11-1042]

2:00 - 2:45: Nigel Boston boston@math.wisc.edu: Galois p-groups unramified at p [983-11-1027]

3:00 - 3:45: Alexander Goncharov sasha@math.brown.edu: Galois groups and modular varieties [983-14-1043]