

# 1 AMS Special Session on Noncommutative Geometry and Arithmetic Geometry

## 1.1 Special Session Schedule

Saturday, October 6, 2007

8:00-8:40 a.m.	B. Tsygan*	TBA
8:50-9:30 a.m.	A. Connes*	Modular Hecke algebras and quantum statistical mechanics of $\mathbb{Q}$ -lattices: an overview
9:40-10:20 a.m.	H. Moscovici*	On the geometry of the noncommutative space of $\mathbb{Q}$ -lattices
10:30-10:50 a.m.	J. Zhao*	Special Values of Multiple Polylogarithms
3:00-3:40 p.m.	D. Goss*	Hecke operators and distributions in characteristic $p$
3:50-4:30 p.m.	M. Marcolli*	Modular forms in noncommutative geometry
4:40-5:10 p.m.	N. Ramachandran*	Arithmetic and t-structures
5:20-5:50 p.m.	M. Laca*, N. Larsen, S. Neshveyev	Phase transitions for Bost Connes systems for number fields

\* speaker

## Sunday, October 7, 2007

8:50-9:30 a.m.	D. Kreimer*	The role of periods in non-perturbative quantum field theory
9:40-10:00 a.m.	K. Yeats*	Rearranging Dyson–Schwinger equations
10:10-10:40 a.m.	W. van Suijlekom*	Noncommutative tori and the Riemann-Hilbert correspondence
3:00-3:40 p.m.	V. Retakh*	Lie algebras and Lie groups over noncommutative rings
3:50-4:20 p.m.	H. Gangl*, F. Brown, A. Levin	Polygons and mixed Tate motives
4:30-5:00 p.m.	B. Zhang*, L. Guo	Differential renormalization for multiple zeta values

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