

## Sunday Schedule

- 9:00–9:15 Introduction
- 9:15–9:45 J. Sullivan, Sphere packing in geometric knot theory
- 9:55–10:25 G. Nebe, Strongly perfect lattices
- Break (10:25–10:45)
- 10:45–11:05 M. Henk, Free planes in lattice sphere packings
- 11:15–11:45 M. Penrose, Random sequential packing and related topics
- Lunch (11:45–13:30)
- 13:30–14:00 C. Radin, The symmetry of densest packings
- 14:10–14:30 L. Bowen, Sphere packings in hyperbolic space
- 14:40–15:00 F. Vallentin, Towards a dichotomy theorem: local minima and maxima in lattice coverings
- Break (15:00–16:00)
- 16:00–16:30 O. Musin, An extension of Delsarte’s method and the kissing problem
- Discussion (16:30–17:30)
- Dinner
- Working groups (20:00–21:00)

## Monday Schedule

9:00–9:30	S. Torquato, New lower bounds on the optimal density of sphere packings
9:30–10:00	Coffee break
10:00–10:30	P. Winkler, Some remarks on the hard core model
10:30–11:00	Break
11:00–11:30	K. Ball, Plank principles
11:30–13:30	Lunch
13:30–14:00	J. Lagarias, Appollonian circle packings
14:00–14:30	Break
14:30–14:50	A. Heppes, Densest packing of strings of balls
14:50–15:10	Break
15:10–15:30	U. Betke, Finite lattice packings of spheres
15:30–16:30	Break/Tutorial on statistical mechanics
16:30–17:30	Problem session
17:30–19:00	Reception
19:00–19:30	Dinner
20:00–21:00	Working groups

## Tuesday Schedule

9:00–9:30	R. Connelly, The isostatic conjecture in granular materials
9:30–10:00	Coffee break
10:00–10:30	H. Cohn, Sphere packing and potential energy minimization
10:30–11:00	Break
11:00–11:30	S. McLaughlin, Fundamentals of Flyspeck
11:30	Group photo outside Corbett Hall
11:30–13:30	Lunch
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17:30–19:30	Dinner
20:00–21:00	Working groups

## Wednesday Schedule

9:00–9:30	R. Kellerhals, Optimal sphere packings and extremal hyperbolic space forms
9:30–10:00	Coffee break
10:00–10:30	N. Elkies, Group representations and upper bounds on packings
10:30–11:00	Break
11:00–11:30	T. Hales, Formal methods in discrete geometry
11:30–13:30	Lunch
13:30–14:00	R. Lyons, Unimodularity for graphs
14:00–14:30	Break
14:30–14:50	G. Fejes Toth, On the structure of optimal arrangements
14:50–15:10	Break
15:10–15:30	A. Bezdek, On cylinder and sphere packing problems
15:30–16:00	Break
16:30–17:30	Problem session
17:30–19:30	Dinner
20:00–21:00	Working groups