

RaTLoCC 2011 - Scientific Program

May 22-27 2011

Bertinoro International Center for Informatics

Monday 23

Morning

- 9:00-10:00 Endre Szemerédi *On Tight Estimation for Sum-Set-Sums*
- 10:15-11:15 David Conlon *Hypergraph Ramsey numbers*
- 11:30-12:00 Mathias Schacht *Ramsey Properties of Random Discrete Structures*
- 12:00-12:30 Hanno Lefmann *Edge Colorings of Graphs and Forbidden Monochromatic Subgraphs*

Afternoon

- 15:00-16:00 Stevo Todorčević *Topological Ramsey Theory and the Rationals*
- 16:15-16:45 Jordi Lopez-Abad *Chromatic Numbers and Unconditional Sequences in Banach Spaces*
- 16:45-17:15 Jindřich Zapletal *Canonical Ramsey Theory on Polish Spaces*
- 17:30-18:00 Mirna Džamonja *The Singular World of Singular Cardinals and their Successors*

Tuesday 24

Morning

- 9:00-10:00 Jaroslav Nešetřil TBD
- 10:15-10:45 Emanuele Viola *Correlation Bounds for Polynomials, and the Disproof of the Inverse Conjecture for Gowers' Norm Using Ramsey Theory*
- 10:45-11:15 Swastik Kopparty *The Complexity of Powering in Finite Fields*
- 11:30-12:00 Eli Ben Sasson *From Affine to Two-Source Extractors via Approximate Duality*
- 12:00-12:30 Bill Gasarch *Sane Bounds on some VDW-like Numbers*

Afternoon

- 15:00-16:00 Peter Cholak *Ramsey Theory and Reverse Mathematics*
- 16:15-16:45 Richard Shore *Weak Consequences of Ramsey's Theorem (CAC, ADS,...) and Possible Generalizations*
- 16:45-17:15 Carl Jocksuch *Binary Subtrees with Few Labeled Paths*
- 17:30-18:00 János Körner *Families of Very Different Paths*
- 18:00-18:30 Pandelis Dodos *Density Ramsey Theory for Trees*

Wednesday 25

Morning

- 9:00-10:00 Noga Alon *List Coloring and Euclidean Ramsey Theory*
- 10:15-11:15 Ulrich Kohlenbach *Functional Interpretations of Proofs in Ergodic Theory and Combinatorics*
- 11:30-12:00 Alexander Kreuzer *Term Extraction and Ramsey's Theorem for Pairs*
- 12:00-12:30 Henry Towsner *Unwinding Infinitary Arguments in Combinatorics*

Thursday 26

Morning

- 9:00-10:00 Justin Tatch Moore *Ramsey Theory and Amenability of Groups*
- 10:15-11:15 Slawomir Solecki *An Abstract Approach to Finite Ramsey Theory and a Self-Dual Ramsey Theorem*
- 11:30-12:00 Dimitris Vlitras *An Infinite Self-Dual Ramsey Theorem*
- 12:00-12:30 Lionel Nguyen Van Thé *Partition Properties of Separable Metric Spaces*

Afternoon

- 15:00-16:00 Manuel Bodirsky *Homogeneous Structures, Ramsey Classes, and Constraint Satisfaction*
- 16:15-16:45 Rahul Santhanam *The Complexity of Explicit Constructions of Ramsey Graphs*
- 16:45-17:15 Massimo Lauria *The Proof Complexity of Paris-Harrington Tautologies*
- 17:30-18:00 James Pinkerton *The Duplicator-Spoiler Game for an Ordinal Number of Turns*
- 18:00-18:30 Michael Rathjen *Long Proofs*

Friday 27

Morning

- 9:00-10:00 Imre Leader *Euclidean Ramsey Theory*
- 10:15-11:15 Gregory Cherlin *Some Fraïssé Classes of Finite Integral Metric Spaces*
- 11:30-12:00 Luca Motto Ros *Embeddability as 'Universal' Quasi-Order*
- 12:00-12:30 Mauro Di Nasso *Nonstandard Methods in Combinatorics of Numbers: a Few Examples*