AMS-ASL Special Session on Reverse Mathematics

Part I: **Wednesday January 5, 2005, 8:00 a.m.-10:50 a.m.**

- 8:00 a.m. *An Introduction to Reverse Mathematics.*
  Douglas K. Brown*, Penn State - Altoona College

- 9:00 a.m. *Proof-Theoretic Strength of the Stable Marriage Theorem.*
  Douglas Cenzer*, University of Florida
  Jeffrey B Remmel, University of California--San Diego

- 9:30 a.m. *Ramsey Theory on Trees.*
  Timothy H McNicholl*, University of Dallas
  Jeff L Hirst, Appalachian State University

- 10:00 a.m. *Degrees of Infinite Homogeneous Sets for Comp Stable Colorings of Pairs.*
  Denis R. Hirschfeldt*, University of Chicago

- 10:30 a.m. *The atomic model theorem.*
  Barbara F. Csima, Cornell University
  Denis R. Hirschfeldt, University of Chicago
  Richard A. Shore*, Cornell University

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Part II: **Thursday January 6, 2005, 8:00 a.m.-11:50 a.m.**

- 8:00 a.m. *Defining products of L_p functions in subsystems of second-order arithmetic.*
  Ksenija Simic*, University of Arizona

- 8:30 a.m. *Almost everywhere domination and the reverse math of measure theory.*
  Natasha L. Dobrinen*, Kurt Goedel Research Center for Mathematical Logic, University of Vienna
  Stephen G. Simpson, Pennsylvania State University

- 9:00 a.m. *Reverse Topology.*
  Stephen G. Simpson*, Pennsylvania State University

- 10:00 a.m. *Representing Second Countable Top. Spaces in Second-Order Arith.*
  Carl Mummert*, Penn State

- 10:30 a.m. *Discussion*

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Part III: • **Thursday January 6, 2005, 1:00 p.m.-3:50 p.m.**

◦ 1:00 p.m. *RM Coding Theory.*
Harvey M. Friedman*, Ohio State University

◦ 2:00 p.m. *On the proof theoretic strength of Jullien's results.*
Antonio Montalban*, Cornell University

◦ 2:30 p.m. *Superatomic Boolean algebras and ATR_0.*
Noam Greenberg*, University of Notre Dame
Antonio Montalban, Cornell University

◦ 3:00 p.m. *Reverse math and the equivalence of defns for well and better quasi-orders.*
Peter Cholak*, University of Notre Dame
Alberto Marcone, Universit`a di Udine, Italy
Reed Solomon, UCONN

◦ 3:30 p.m. *Finite better quasi orders.*
Alberto Marcone*, Univ. di Udine