HIGHER DEGREE FORMS CONFERENCE

May 21 – 23, 2009

University of Florida, Gainesville, FL 32611

SCHEDULE

Location. All lectures are in Little Hall Room 339, which is also known as the Atrium.

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Thursday, May 21, 2009

9:30AM - 10:30AM
Manjul Bhargava, Princeton University
A Survey of Forms Associated to Prehomogeneous Vector Spaces
Part I. Algebraic correspondences

10:30AM - 11:00AM
BREAK

11:00AM - 12:00PM
Gordan Savin, University of Utah
Integral structure of some internal modules

12:00PM - 2:00PM
LUNCH

2:00PM - 2:30PM
Jaka Cimpric, University of Ljubljana, Slovenia
Higher product levels of skew fields

2:45PM - 3:15PM
Jonathan Hanke, University of Georgia
Class numbers and Mass formulas for quadratic forms

3:30PM - 4:00PM
Igor Klep, University of Ljubljana, Slovenia
Central simple algebras with involution and positive polynomials

4:30PM
Visit to Paines Prairie to see Alligators
(depending on the weather otherwise will be postponed to 4:30pm Friday)

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Friday, May 22, 2009

9:30AM - 10:30AM
Manjul Bhargava, Princeton University
A Survey of Forms Associated to Prehomogeneous Vector Spaces
Part II. Applications to density and counting theorems

10:30AM - 11:00AM
BREAK

11:00AM - 12:00PM
Benedict Gross, Harvard University
Restriction of representations of classical groups

12:00PM - 2:00PM
LUNCH

2:00PM - 3:00PM
Wei Ho, Princeton University
Orbit parametrizations of curves

3:15PM - 4:15PM
Detlev Hoffmann, University of Nottingham
Differential forms and bilinear forms under field extensions

6:30PM
Conference Dinner
at Leonardo's 706 Italian Restaurant (six blocks east of the Holiday Inn on University Ave)

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Saturday, May 23, 2009

9:30AM - 10:30AM
Melanie Matchett Wood, Princeton University
Rings and ideals associated to binary forms

10:30AM - 11:00AM
BREAK

11:00AM - 12:00PM
Bruce Reznick, University of Illinois, Urbana-Champaign
Recent results in 19th century algebra

12:00PM - 2:00PM
LUNCH

2:00PM - 2:30PM
Michael Volpato, University of California, San Diego
Hecke actions on Fourier coefficients of modular forms

2:45PM - 3:15PM
Takashi Taniguchi, Kobe University, Japan
Relations among Dirichlet series whose coefficients are class numbers of binary cubic forms