Partial Differential Equations and Mathematical Physics
Mini Conference on
"Topics in Euler’s equation for incompressible fluids"
Wednesday May 14 – Friday May 16, 2014
Talks in 127 Hayes-Healy Hall

PROGRAM

Wednesday, May 14, 2014
9:00am  Registration and Coffee, 257 Hurley (Math Lounge)
10:00am  Lecture 1 (with 10 minute break)
         Vladimir Sverak, University of Minnesota
11:30am  Lunch
1:45pm  Marcelo Disconzi, Vanderbilt University
        The free boundary Euler equations with large surface tension
        Matthew Creek, University of Rochester
        Large-Data Global Well-Posedness for the (1+2)-Dimensional Equivariant Faddeev Model
2:45pm  Coffee Break, 257 Hurley (Math Lounge)
3:30pm  John Holmes, University of Notre Dame
        Continuity properties of the data-to-solution map for the generalized Camassa-Holm equation
        Ryan Thompson, University of Notre Dame
        Persistence Properties and Unique Continuation for a generalized Camassa-Holm Equation

Thursday, May 15, 2014
9:00am  Registration and Coffee, 257 Hurley (Math Lounge)
10:00am  Lecture 2 (with 10 minute break)
         Vladimir Sverak, University of Minnesota
11:30am  Lunch
1:45pm  Alex Mesiats, Purdue University
        Long-time behavior of stochastic reaction-diffusion equations
        Dionyssios Mantzavinos, University of Notre Dame
        On the initial-boundary value problem for the Boussinesq equation
2:45pm  Coffee Break, 257 Hurley (Math Lounge)
3:30pm  Kazuo Yamazaki, Oklahoma State University
        Remarks on the regularity criteria of three-dimensional MHD system in terms of two velocity field components
        Ming Chen, University of Pittsburgh
        Continuous dependence on the density for stratified steady water waves
6:00pm  Conference Dinner – The Oak Room, South Dining Hall

Friday, May 16, 2014
9:00am  Coffee, 257 Hurley (Math Lounge)
10:00am  Lecture 3 (with 10 minute break)
         Vladimir Sverak, University of Minnesota
11:30am  Closing Remarks
12:00pm  End of Conference