

Special Colloquium



DR. LAURA CARAVENNA
OXFORD UNIVERSITY

"REGULARITY RESULTS IN NONLINEAR HYPERBOLIC PDES"

NONLINEAR PDES OF HYPERBOLIC TYPE ARISE HISTORICALLY IN THE CONTEXT OF FLUID AND GAS DYNAMICS. I WILL INTRODUCE SELECTED TOPICS AMONG REGULARITY RESULTS IN THIS AND STRICTLY RELATED CONTEXTS. I WILL THEN FOCUS ON RULING OUT A NASTY FRACTAL BEHAVIOR FOR CONSERVED QUANTITIES IN NONLINEAR FLOWS, WHICH IS TECHNICALLY CALLED SBV REGULARITY.

UCR

Mathematics

Department

900 University
Avenue
Surge Building 2nd
Floor
Riverside, CA
92521
951-827-3113

Monday, March 10th, 2014

Room 284, the 2nd Floor of the Surge Building

Tea Time @ 3:40 p.m.

Talk Begins @ 4:10 p.m.

Ends @ 5:00 p.m.



Department of
Mathematics