

Workshop on Nonlinear PDEs of Fluids and Related Topics

Date: 4 Feb. 2016 (Thursday)

Venue: Y4-702 morning session; Y5-303 afternoon session

9:15 am - 9:25 am	REGISTRATION
9: 25 am - 9:30 am	WELCOME and OPENING
9:30 am – 10:10 am	Prof. Weike Wang Nonlinear stability of large perturbation around viscous planar shock fronts for 2-D scalar viscous conservation law
10:10 am- 10:50 am	Prof. Yingbing Deng Nodal solutions to quasilinear elliptic equations with critical exponents
10:50 am - 11:05 am	COFFEE BREAK and Discussion
11:05 am - 11:45 am	Prof. Chunlai Mu Control and Stabilization of the Rosenau equation on a Periodic Domain
11:45 am – 12:00pm	Q & A session
12:15 pm - 2:15 pm	LUNCH BREAK
2:30 pm - 3:10pm	Prof. Yachun Li Global Classical Solutions to the Cauchy Problem of Conservation Laws with Degenerate Diffusion
3:10 pm- 3:15 pm	Break
3:15 pm- 3:55 pm	Prof. Quansen Jiu The 2D magnetohydrodynamic equations with magnetic diffusion
3:55 pm - 4:10pm	COFFEE BREAK and Discussion
4:10 pm – 4:50pm	Prof. Shaungjie Peng On elliptic systems with Sobolev critical exponent
4:50 pm - 5:30pm	Dr. Chengjie Liu Stability of boundary layers for the non-isentropic compressible circularly symmetric 2D flow