

## Session 24, Mathematical Fluid Dynamics

Wednesday 18, Room 201

- 16:30–17:00 **Dynamics of oil spill**  
Vadim Kaloshin
- 17:30–18:00 **Long-time asymptotics for nonlinear fourth order diffusion equations**  
José Antonio Carrillo de la Plata
- 18:00–18:30 **Blow up in a 3-d vector model for the Euler equations**  
Susan Friedlander
- 18:30–19:00 **On the evolution of sharp fronts for the quasi-geostrophic equation**  
Jose Luis Rodrigo Diez

Thursday 19, Room 201

- 15:30–16:30 **Squirt singularities**  
Charles Fefferman

Friday 20, Room 201

- 10:30–11:00 **Formation of singularities under the localized induction approximation**  
Susana Gutiérrez de Gracia
- 11:00–11:30 **Why viscous fluids adhere to rugose walls**  
Enrique Fernández Cara
- 11:30–12:00 **On the dissipative quasi-geostrophic equation**  
Diego Córdoba Gazolaz
- 12:30–13:00 **On surface water waves**  
Walter Craig
- 13:00–13:30 **On weak solutions for generalized Oldroyd model for laminar and turbulent flows of nonlinear viscous- elastic fluid**  
Mokhtar Kirane