

**Parallel Session 1****Sunday, July 1, 10:00AM-12:00PM**

Special Session <b>28</b>	<b>Analysis and Numerics of Differential Equations and Dynamical Systems in Mathematical Fluid Mechanics</b> Organizer(s): Changbing Hu, Ning Ju, Theodore Tachim-Medj	Location <b>REH-9</b>
10:00-10:30	Changbing Hu (University of Louisville, USA) Some mathematical theory of viscous Camassa-Holm equations	Abstracts p. 126
10:30-11:00	Hongjie Dong (Brown University, USA) On a 1D alpha-patch model	Abstracts p. 125
11:00-11:30	Nathan E Glatt-Holtz (Indiana University, USA) Parameter Estimation for Nonlinear Stochastic Partial Differential Equations	Abstracts p. 125
11:30-12:00	Florentina Tone (University of West Florida, USA) On the Long-time Stability of the Implicit Euler Scheme for the 2d Thermohydraulics Equations	Abstracts p. 127