

Second Eastern Arc Conference on Topological Solitons and Quantum Fluids

University of Kent, 03/05/2016 – 04/05/2016

The aim of this conference is to form closer links between the *Topological Soliton group* at the University of Kent, the *Quantum Fluids group* at the University of East Anglia and the *Nonlinear Waves group* at the University of Essex. The talks will take place in the Maths Lecture Theatre, at the University of Kent at Canterbury. The coffee breaks will be in the foyer of the Cornwallis Mathematical Institute. We will meet for dinner at 19.00 on Tuesday, 03/05/2016, details to follow.

Tuesday, 03/05/2016

13.00-14.00	Lunch
14.00-14.30	Hayder Salman Breathers on Quantized Superfluid Vortices
14.30-15.00	Alberto Villois Topological defects tracking in a quantum fluid
15.00-15.30	Coffee
15.30-16.00	Rudy Kusdiantara Homoclinic Snaking
16.00-16.30	Hadi Susanto Decay of localised breathing modes
16.30-17.00	Discussion

Wednesday, 04/05/2016

10.00-10.30	Steffen Krusch	Vortices and Impurities
10.30-11.00	Jennifer Ashcroft	Double Vortex Scattering
11.00-11.30	Coffee	
11.30-12.00	Jing Ping Wang	Dressing method for the vector sine-Gordon equation and its soliton interactions
12.00-12.30	Danica Sugic	Small vortex optical knots
12.30-13.00	David Foster	Knotted Resonances
13.00-14.00	Lunch	