

**ECR Training Day**  
**Monday 25 September**

<b>12:00 – 13:00</b>	<b>Registration and Lunch (U.004)</b>
----------------------	---------------------------------------

<b>13:00</b>	<b>Welcome – E. Renzi (SIG Leader)</b>
--------------	--

**SESSION 1 (U.005)**

<b>13:01</b>	<b><i>Invited Lecture: Physical oceanography: an applied mathematician's approach</i></b> <i>Prof. Robin Johnson – Newcastle University</i>
--------------	--

<b>13:50</b>	<b><i>Invited Lecture: The complex dynamics of multilayer shear flows</i></b> <i>Anna Kalogirou – University of East Anglia</i>
--------------	--

<b>14:40</b>	<b><i>PhD Students and ECR Poster Pitches</i></b>
--------------	---

<b>15:00 – 15:40</b>	<b>Refreshments and Poster Display (U.004)</b>
----------------------	--

**SESSION 2 (N.004 & U.005)**

<b>15:40</b>	<b><i>Workshop: Mathematical Techniques with MATLAB (N.004)</i></b> <i>E. Renzi &amp; D. Sibley – Loughborough University</i>
--------------	--

<b>16:30</b>	<b><i>Panel Discussion: how can the UKFN support ECRs? (U.005)</i></b> <i>SIG Steering Committee, PhD Students and ECRs</i>
--------------	--

**Research Day**  
**Tuesday 26 September 1/2**

<b>08:45 – 09:00</b>	<b>Registration (U.004)</b>
----------------------	-----------------------------

<b>09:00</b>	<b>Welcome – A. Archer (HoD), E. Renzi (SIG Leader)</b>
--------------	---

**SESSION 1 | CHAIR: K. KHUSNUDTINOVA (U.005)**

<b>09:01</b>	<b><i>Invited Talk:</i> Integrable Turbulence for Soliton and Breather Gases Using Finite Gap Theory: Applications to Ocean Surface and Internal Waves</b>  <i>Prof. A. Osborne – Nonlinear Waves Research Corp</i>
--------------	---

<b>09:50</b>	<b><i>Invited Talk:</i> The Quantification of Internal Soliton Velocities for Offshore Engineering</b>  <i>G. Jeans – Oceanalysis Ltd</i>
--------------	---

<b>10:40 – 11.10</b>	<b>Refreshments and Poster Display (U.004)</b>
----------------------	--

**SESSION 2 | CHAIR: G. EL (U.005)**

<b>11:10</b>	<b><i>Invited Talk:</i> Inkjet and laser hybrid processing for series interconnection of thin film photovoltaics</b>  <i>A. Brunton – M-Solv Ltd</i>
--------------	--

<b>12:00</b>	<b>Modelling the evaporation of nanoparticle suspensions from heterogeneous surfaces</b>  <i>Prof. A. Archer – Loughborough University</i>
--------------	--

<b>12:50 – 14:00</b>	<b>Lunch and Poster Display (U.004)</b>
----------------------	---

**Research Day**  
**Tuesday 26 September 2/2**

**SESSION 3 | CHAIR: A. ARCHER (U.005)**

<b>14:00</b>	<b><i>Invited Talk: Electrohydrodynamic control of multi-fluid systems at small scales</i></b> <i>R. Cimpanu – University of Oxford</i>
<b>14:50</b>	<b><i>Invited Talk: Solitary waves under elastic plates</i></b> <i>E. Parau – University of East Anglia</i>
<b>15:40</b>	<b><i>Panel discussion</i></b>
<b>16:20 – 16:30</b>	<b>Poster Prize, SIG Handover and Close</b>