

Scottish-Basque meeting on analysis

Monday 28 – Wednesday 30 October 2024

The programme is subject to change. All times are Greenwich Mean Time (GMT).

MONDAY 28 OCTOBER 2024	
09.00 – 09.15	Registration and Welcome
09.15 – 10.00	Leonardo Tolomeo , University of Edinburgh <i>theme 1: harmonic</i>
10.00 – 10.45	Ioaninis Parissis , Basque Center for Applied Mathematics <i>theme 1: harmonic</i> <i>Directional square functions</i>
10.45 – 11.15	Coffee break
11.15 – 11.45	Yannis Galanos , University of Edinburgh <i>Early Career Talk</i> <i>Takeya-Brascamp-Lieb Inequalities in the Heisenberg Group</i>
11.45 – 12.15	Yann Bourroux , University of the Basque Country <i>Early Career Talk</i> <i>Three balls inequalities for Schrödinger operators on periodic graphs</i>
12.15 – 13.30	Lunch break
13.30 – 14.00	Sergei Iakunin , Basque Center for Applied Mathematics <i>Early Career Talk</i> <i>Corner singularity in the polygonal vortices and in the reconnection phenomenon</i>
14.00 – 14.30	James Coe , University of Edinburgh <i>Early Career Talk</i> <i>Sharp quasi-invariance threshold for the cubic Szeg\H{o} equation</i>
14.30 – 15.15	3x micro talks (15mins each)
15.15 – 15.45	Coffee break
15.45 – 16.30	Lucrezia Cossetti , University of the Basque Country <i>theme 3: variational</i>
16.30 – 17.15	Justin Forlano , University of Edinburgh <i>theme 2: dispersive</i>
17.15 – 18.00	Welcome Reception, hosted at EFI

TUESDAY 29 OCTOBER 2024	
09.15 – 10.00	Pedro Caro , Basque Center for Applied Mathematics <i>theme 1: harmonic</i> <i>An inverse problem for data-driven prediction in quantum mechanics</i>
10.00 – 10.45	Oana Pocovnicu , Heriot-Watt University <i>theme 2: dispersive</i> <i>Invariant Gibbs dynamics for fractional wave equations in negative Sobolev spaces</i>
10.45 – 11.15	Coffee break
11.15 – 11.45	Pablo Merino , Basque Center for Applied Mathematics <i>Early Career Talk</i> <i>Pointwise Convergence of the Klein-Gordon Flow</i>
11.45 – 12.15	Theo Lavier , Heriot-Watt University

	<i>Early Career Talk</i>
12.15 – 13.30	Lunch break
13.30 – 14.00	Hrit Roy , University of Edinburgh <i>Early Career Talk</i>
14.00 – 14.30	Andrea Olivo , Basque Center for Applied Mathematics <i>Early Career Talk</i> <i>Sharp embeddings between weighted Paley-Wiener spaces</i>
14.30 – 15.15	3x micro talks (15mins each)
15.15 – 15.45	Coffee break
15.45 – 16.30	Maciej Buze , Heriot-Watt University <i>theme 3: variational</i> <i>Barycenters in unbalanced optimal transport</i>
16.30 – 17.15	Daniel Eceizabarrena , Basque Centre for Applied Mathematics <i>theme 2: dispersive</i> <i>Uniform counterexamples to the convergence problem for periodic dispersive equations with polynomial symbols</i>
19.00 onwards	Workshop Dinner, hosted at Canny Man's <i>237 Morningside Road, Edinburgh EH10 4QU</i>

WEDNESDAY 30 OCTOBER 2024

09.15 – 10.00	Jonathan Hickman , University of Edinburgh <i>theme 1: harmonic</i> <i>Bounds for a planar Pierce—Yung operator</i>
10.00 – 10.45	Arghir Zarnescu , Basque Center for Applied Mathematics <i>theme 3: variational</i> <i>On a variational approach to Euler and Navier-Stokes</i>
10.45 – 11.15	Coffee break
11.15 – 12.00	Luz Roncal , Basque Center for Applied Mathematics <i>theme 2: dispersive</i>
12.00 – 12.45	Lucia Scardia , Heriot-Watt University <i>theme 3: variational</i>
12.45 – 14.00	Lunch break
14.00 – 15.30	Working groups - discussion
15.30 – 16.00	Coffee break
16.00 – 17.00	Concluding session