



THURSDAY 21 JUNE 2018	
09:00 – 14:00	BOAT TOUR WITH LUNCH
	Chair:
15:30 - 16:00	Efthimios Kaxiras <i>Localization with a twist: duality between configuration space and momentum space in incommensurate stacked layers of 2D materials</i>
16:00 - 16:30	Eleftherios Economou <i>Wavefront manipulation by dielectric cylinder based metasurfaces</i>
16:30 - 17:00	Alexander Zolotaryuk <i>Resonant tunneling of quantum particles through single-point barriers: A splitting phenomenon</i>
17:00 – 17:30	Coffee Break
17:30- 18:00	Edwin Barnes <i>Many-body localization in quantum dot spin chains</i>
18:00- 18:30	Sophia Economou <i>Time crystals and quantum state protection in a driven array of spins</i>
18:30 – 19:00	Petros Koumoutsakos <i>Data-Driven Forecasting of High-Dimensional Chaotic Systems with Long-Short Term Memory Networks</i>
19:00 – 19:30	George Barbaris <i>Predicting complex spatiotemporal phenomena with machine learning techniques</i>
20:00-	Piano & Saxophone recital
FRIDAY 22 JUNE 2018	
	Chair: S. Aubry
09:00 – 09:30	Robert Mac Kay <i>Quantum discrete breathers</i>
09:30 – 10:00	Vassilios Rothos <i>Wave Propagation in Nonlinear Implicit Lattices</i>
10:00 - 10:30	Zoran Ivic <i>Bullet versus self-induced transparency solitons in flux-qubit quasi-one dimensional chains</i>
10:30– 11:00	Claude Baesens <i>Depinning of Discommensurations for Tilted Frenkel-Kontorova Chains</i>
11:00 – 11:30	Coffee Break
	Chair: Y. Watanabe
11:30 – 12:00	Simone Peleari <i>Adiabatic invariants at the thermodynamic limit for nonlinear lattices</i>
12:00– 12:30	Stefano Lubini <i>A chain, a bath, a sink, and a wall</i>
12:30 – 13:00	Imene Khames <i>Localized solutions of nonlinear wave equations on networks</i>
13:00 – 13:30	Theo Geisel <i>It Don't Mean a Thing, If It Ain't Got That Swing Unraveling a Musical Mystery by Scientific Means?</i>
13:30-13:40	Closing
13:40–	Lunch