

**NON-LINEAR EVOLUTION EQUATIONS, COUPLED  
MAP LATTICES AND NON-INVERTIBLE  
DYNAMICS IN 2-d**

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The talk is inspired by recent work of Pesin and Yurchenko who discovered nonlinear evolution equations which seem to have “strange attractors”. More specifically, after discretisation one obtains a Coupled Map Lattice (CML), whose local maps have strange attractors. We will also try to relate this to Sinai-Ruelle-Bowen measures for CML:s (work by Bunimovich-Sinai and Kupiainen-Bricmont).