Programme
Warwick Dynamical Systems Workshop, 6th - 8th June 2016
Location: Room MS0.03, Mathematics Institute, University of Warwick

Monday, 6 June

Time	Speaker	Title
8:30-9:00		*Registration*
9:00-10:00	Jean-Pierre Marco	*From the Birkhoff theory of twist maps to Arnold diffusion*
10:00-10:30	Coffee break	
10:30-11:30	Anatoly Neishtadt	*On destruction of adiabatic invariance*
11:30-12:30	Luigi Chierchia	*KAM theory for secondary tori*
12:30-14:00	Lunch	
14:00-15:00	Kei Irie	A C^∞-closing lemma for three-dimensional Reeb flows via embedded contact homology.
15:00-15:30	Coffee break	
15:30-16:00	Vered Rom-Kedar	*Exponential accelerators*
16:00-16:30	Alexey Korepanov	*Homogenization for families of skew products*
16:30-17:00	Arturo Vieiro	*Geometry of double resonances of 4D symplectic maps and diffusive properties*

18:00   Dinner in the Common Room

Tuesday, 7 June

Time	Speaker	Title
9:00-10:00	Thomas Gilbert	*Conditional return times to rare events in billiard models*
10:00-10:30	Coffee break	
10:30-11:30	Jacques Féjoz	*KAM theory and symmetries*
11:30-12:00	Tere Seara	*Oscillatory orbits in the elliptic restricted planar three body problem*
12:00-12:30	Marian Gidea	*Arnold Diffusion in a Three- and a Four-Body Problem*
12:30-14:00	Lunch	
14:00-14:30	Maciej Capinski	*Beyond the Melnikov method: a computer assisted approach*
14:30-15:00	Giannis Moutsinas	*Splitting of separatrices in area-preserving maps close to 1:3 resonance*
15:00-15:30	Coffee break	
15:30-16:00	Narcis Miguel Banos	*The role of stability islands in escape rates through a Cantorus in Area Preserving Maps*
16:00-16:30	Jessica Elisa Massetti	*Normal forms for perturbations of systems possessing a Diophantine invariant torus*
16:30-17:00	Mattia Serra	*Hamiltonian Geometry of Null-Geodesics and the Computation of Coherent Vortex Boundaries*

20:00   Dinner in Queens and Castle, Kenilworth

Wednesday, 8 June

Time	Speaker	Title
9:30-10:00	Ian Melbourne	The Lorenz attractor is exponentially mixing
10:00-10:30	Laurent Niederman	Double exponential stability of quasi-periodic motion in Hamiltonian systems
10:30-11:00	Coffee break	
11:00-11:30	Ernest Fontich	Invariant manifolds of tangent to the identity maps
11:30-12:00	Kushal Shah	Collective Dynamics of Charged Particles in Paul Traps using Tsallis Distribution
12:00-12:30	Claude Baesens	Simplest bifurcation diagrams for monotone families of vector fields on a torus
12:30-14:00	Lunch	
14:00-15:00	Vadim Kaloshin	*Birkhoff Conjecture for convex planar billiards and deformational spectral rigidity of planar domains.*
15:00-15:30	Coffee break	
15:30-16:00	Jose Pedro Gaivao	*SRB measures for pinball polygonal billiards*
16:00-16:30	Zemer Kosloff	Symmetric Birkhoff sums in infinite ergodic theory
16:30-17:00	Dmitry Turaev	Quantum acceleration

17:00	Wine and snacks in the Common Room