

***Numerical and analytical aspects
of
contact Hamiltonian systems***

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Although contact geometry has always been seen as a step beyond its cousin symplectic geometry, it has many features with consequences in mathematics and physics. In this talk, I will first give a bird's eye view of my thesis work, and I will focus on the numerical side, looking at contact Hamiltonian splitting integrators, and finally, on some analytical results picked up from the last chapter. In particular, I will talk about relations between some generalised symmetries and constants of motion.