Thursday 12 September 2019 – at 4.20 pm
Seminar Room – Department of Physics

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Gamma-convergence and H-convergence results for functionals and operators in a sub-Riemannian framework

Abstract:
In this talk I present new results obtained in collaboration with my supervisors and colleagues, studying variational convergences in new frameworks. In particular, we give Gamma-convergence results for integral functionals, where the integrand depends on the space variable and on a gradient, under few structural hypotheses on the family of vector fields that generates the gradient.
On the other hand, studying the Murat and Tartar H-convergence, we are able to present a H-compactness Theorem for a particular class of monotone operators, in the context of Carnot groups.

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