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# Variational methods for sub-Riemannian geodesics

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## Résumé

I will report on recent progress on the problem of the existence of sub-Riemannian geodesics. Compared to the classical Riemannian case, I will show how here new features appear, due to the more sophisticated structure of the set of admissible curves and the possible existence of singular (also called "abnormal") curves.

The talk will be based on recent works with A. A. Agrachev, F. Boarotto, A. Gentile and A. Mondino.

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