



OIST

OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY
沖縄科学技術大学院大学

THEORETICAL SCIENCES VISITING PROGRAM

TSVP TALK

SUB-RIEMANNIAN GEOMETRY IS EVERYWHERE!

2022 FRI. **SEPT. 9TH**

10:40 - 11:40

HYBRID B250, ZOOM



For zoom and other details scan QR code or visit groups.oist.jp/tsvp



You may never have heard of sub-Riemannian geometry, but you have already seen it. Beside the many appearances in abstract mathematics (in hyperbolic geometry, geometric group theory, theory of hypoelliptic operators), numerous models of physical processes are based on sub-Riemannian geometry, from robotics to neural networks. In my talk, I will present a list of models with the goal of teaching you to recognize sub-Riemannian geometry. If you think that your research might contain another application, please contact me: I am looking forward to talk with you!

UNIVERSITY OF JYVÄSKYLÄ

SEBASTIANO NICOLUSSI GOLO

Sebastiano Nicolussi Golo is a postdoc in mathematics at the University of Jyväskylä. He works on Metric Geometry and Geometric Measure Theory on Lie groups equipped with non-Riemannian distances. Nicolussi Golo obtained a joint PhD degree in 2017 from the University of Jyväskylä and the University of Trento (Italy), under the supervision of Enrico Le Donne and Francesco Serra Cassano. He later worked in Birmingham (UK) with Alessio Martini, and in Padova (IT) with Davide Vittone.

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