

THOMAS ROBIGLIO

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EDUCATION

PoliTO, SISSA, ICPT, Université de Paris, Paris-Saclay, Sorbonne *September 2021 - Now*
Master of Science program in Physics of Complex Systems *Current avg. 28.65/30*
Thesis: “*Attractiveness and higher-order structures in face-to-face interaction networks*”
Supervisors: Prof. A. Barrat, Prof. M. Génois, Prof. L. Dall’Asta
International Track *Expected graduation July 2023*

Università degli Studi di Torino *September 2018 - July 2021*
Bachelor degree in Physical Science and Technology *107/110*
Thesis: “*Interacting contagion models on simplicial complexes*”
Supervisors: Prof. M. Osella, Dr. G. Petri
Department of Physics *Graduated 20/07/2021*

PUBLICATIONS

- [1] Maxime Lucas et al. *Simplicially driven simple contagion*. 2022. DOI: 10.48550/ARXIV.2206.07645. URL: <https://arxiv.org/abs/2206.07645>.

EXPERIENCE

CENTAI Institute *February 2023 - Now*
Visiting Student

Working under the supervision of Dr. Giovanni Petri on the application of Information Theory metrics for the reconstruction of hypergraphs from Kuramoto dynamics.

ISI foundation *April 2021 - July 2021*
Student

Assisted senior research scientist Dr. Giovanni Petri in the study of high-order interactions and spreading phenomena on simplicial complexes. The result of this work has been the focus of my undergraduate thesis and of paper currently under review (preprint [1]).

Volunteering Activities

I am an active member of the Scout Group Torino 85. This entails various volunteering activities with the elderly and the less fortunate. Moreover, I am the chief-educator of a group of 12-16 y/o teens, managing and organizing outdoor activities, social events and field trips twice a week.

TECHNICAL STRENGTHS

- * Python 🐍, Julia, C++, ROOT, Wolfram Mathematica
- * MS Office Package, L^AT_EX
- * **Languages:** French, Italian (Native) English (Proficient).

INTERESTS

Italian politics, novels, podcasts. Sports junkie: football (Torino FC), cycling and mountaineering.