YANN-EDWIN KETA

Doctoral student



November 24th, 1995



yann-edwin.keta@ens-lyon.fr



yketa.xyz



github.com/yketa

Education —

2016-2018

MSc. in Physics High honours École normale supérieure de Lyon | Specialisation in computational physics, soft matter, and statistical physics.

2015-2016

BSc. in Physics High honours École normale supérieure de Lyon

2013-2015

Classes préparatoires aux grandes écoles (PCSI/PC*)

Lycée Lakanal, Sceaux Ranked 59th in the École normale supérieure de Lyon entrance exam.

2018-2019 (Gap year)

MA in Social sciences 1st year École normale supérieure de Lyon 🚺

Skills —

Programming

Python

Bash • C/C++

SageMath

Languages

■ French – Native speaker

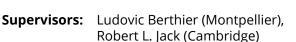
Interests –

- * Extreme music
- * Free software culture
- * Open knowledge initiatives

Research

Sep 2020 PhD: Collective dynamics in simple active matter

- Current Laboratoire Charles Coulomb, UMR 5221 CNRS, Université de Montpellier



Oct 2019 Active work in systems of self-propelled particles

- July 2020 Department of Applied Mathematics and Theoretical Physics, University of Cambridge ******

Laboratoire Matière et Systèmes Complexes, UMR 7057 CNRS,

Université de Paris 🚺

Supervisors: Robert L. Jack, Michael E. Cates (Cambridge),

Frédéric van Wijland (Paris)

Wiki: O yketa/DAMTP_MSC_2019_Wiki **code:** O yketa/active_work

Jan 2018 Simple model of active particles

- Jul 2018 Stewart Blusson Quantum Matter Institute,

University of British Columbia

Supervisor: Jörg Rottler

code: • yketa/active_particles Wiki: O yketa/UBC 2018 Wiki

May 2017 Numerical analysis of jamming criticality for spheroidal - Jul 2017 particles

Institutionen för fysik, Umeå universitet 🏪

Supervisor: Peter Olsson

code: • yketa/shear ellipsoids Wiki: O yketa/Umea 2017 Wiki

Jun 2016 Leidenfrost drop impacts on surfaces with micrometric

- Jul 2016 **defects**

Institut Lumière Matière, UMR 5306 CNRS, Université Claude Bernard Lyon 1

Supervisors: Quentin Ehlinger, Christophe Ybert

Publications

Y.-E. Keta and P. Olsson, "Translational and rotational velocities in shear-driven jamming of ellipsoidal particles", (2020).

arXiv:2006.05305

T. Marschall, Y.-E. Keta, P. Olsson, and S. Teitel, "Orientational Ordering in Athermally Sheared, Aspherical, Frictionless Particles", Physical Review Letters 122, 188002 (2019) [DOI:10.1103/PhysRevLett.122.188002]. **_** arXiv:1806.01739

Y.-E. Keta and J. Rottler, "Cooperative motion and shear strain correlations in dense 2D systems of self-propelled soft disks", EPL 125, 58004 (2019) [DOI:10.1209/0295-5075/125/58004].

Teaching

2018/19 **Oral interrogator**

2016/17 Lycée du Parc, Institution des Chartreux, Lycée La Martinière Diderot (Lyon)

2015 Volunteer tutor

- 2017 ENSeigner association, École normale supérieure de Lyon 💵











