

KEVIN ZAGALO

(updated in September 2024)

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Education

Ph. D. <i>Inria Paris and Sorbonne Université.</i>	2020-23
Thesis : <i>Stochastic analysis of stationary real-time systems</i> , advised by Liliana Cucu-Grosjean (Inria Paris) and Avner Bar-Hen (Cnam).	
Master 2 <i>Probabilities and stochastic modeling, Sorbonne Université.</i>	2017-19
Thesis : <i>The Ulam-Hammersley problem</i> , advised by Quentin Berger (LPSM).	
Licence and Master 1 <i>Mathematics and applications, UPMC.</i>	2012-17

Teaching

Hertzian and optical propagation <i>INSA Lyon, Université Claude Bernard Lyon 1.</i>	2024
Probabilities <i>INSA Lyon, Université Claude Bernard Lyon 1.</i>	2024
Introduction to machine learning <i>ESIEE, Université Gustave Eiffel.</i>	2022
Probabilities <i>ESIEE, Université Gustave Eiffel.</i>	2022
Introduction to machine learning <i>ESIEE, Université Gustave Eiffel.</i>	2020

Student supervision

Olena Verbytska (L3) <i>Mélanges inverse Gaussiens pour les temps de réponses de systèmes temps-réels périodiques.</i>	Summer 2022
Marharyta Tomina (M1) <i>Inverse gaussiennes multivariées appliquées aux temps de réponses de systèmes temps-réels à priorités fixes.</i>	Summer 2022
Marc-Antoine Auvray (M1) <i>Prédiction de temps d'executions d'un autopilote de drone à partir de données sensorielles.</i>	Fall 2022

Comittees

Local organization of Real-Time Systems Symposium (RTSS) <i>Houston, TX.</i>	2022
Web chair of Real-Time Networks and Systems (RTNS) <i>Paris.</i>	2022
Committee member of the Junior Researcher Workshop on Real-Time Computing (JRWRTC) <i>Paris.</i>	2022
Comittee member of JRWRTC <i>Nantes.</i>	2021
Local organization of RTNS <i>Paris.</i>	2020

Employment

Assistant professor <i>Université Claude Bernard Lyon 1.</i>	Fall 2024
Assistant professor <i>Université Gustave Eiffel.</i>	Fall 2022
Engineering intern <i>Fotonower, Paris.</i>	Spring 2019
Tutor for refugee students <i>Sorbonne Université, Paris.</i>	Winter 2018
9th grade teacher <i>Jacob Safra high school, Paris.</i>	Fall 2016

Invited talks

Workshop France PhD Information Theory <i>Télécom Paris</i> .	07.06.2024
Journées PEPR Réseaux du futur <i>Minatech, Grenoble</i> .	20.03.2024
Maracas seminar <i>Citi-lab, Lyon</i> .	19.10.2023
Real-time systems group seminar <i>MPI-SWS, Kaiserslautern</i> .	12.07.2023
Verification seminar <i>IRIF, Paris</i> .	07.06.2023

Publications

Preprints

- KEVIN ZAGALO, OLENA VERBYTSKA, LILIANA CUCU-GROSJEAN AND AVNER BAR-HEN. *Response Times Parametric Estimation of Real-Time Systems*. [hal-03839408](#), [arXiv:2211.01720](#).

Publications

- KEVIN ZAGALO, YASMINA ABDEDDAÏM, AVNER BAR-HEN, LILIANA CUCU-GROSJEAN. *Response Time Stochastic Analysis for Fixed-Priority Stable Real-Time Systems*. IEEE Transactions on Computers, Institute of Electrical and Electronics Engineers, 2023, pp.1-12. [hal-03797980](#), [10.1109/TC.2022.3211421](#).
- M. W. EL KHAZEN, K. ZAGALO, H. CLARKE, M. MEZOUAK, Y. ABDEDDAÏM, A. BAR-HEN, S. BEN AMOR, R. BENNOUR, A. GOGONEL, K. KOUGBLENOU, Y. SOREL, L. CUCU-GROSJEAN, *Work in Progress: KDBench - towards open source benchmarks for measurement-based multicore WCET estimators*, 2022 IEEE 28th Real-Time and Embedded Technology and Applications Symposium (RTAS), 2022, pp. 309-312, [10.1109/RTAS54340.2022.00035](#).
- KEVIN ZAGALO, LILIANA CUCU-GROSJEAN, AVNER BAR-HEN. *Identification of execution modes for real-time systems using cluster analysis*. 25th IEEE International Conference on Emerging Technologies and Factory Automation, ETFA, Sep 2020, Vienne, Austria. [hal-02938202](#), [10.1109/ETFA46521.2020.9211983](#).

Software

- Adaptation of SimSo for probabilistic real-time systems, implemented with Marc-Antoine Auvray. [☞](#)
- Python library for the reparametrized inverse Gaussian, implemented with Olena Verbytska. [☞](#)
- Python library for the hypoexponential distribution. [☞](#)
- Python library for the multivariate Gumbel distribution, implemented with Marharyta Tomina. [☞](#)

Others

Languages | *French (C2), Portuguese (B2), Spanish (B2), English (C1)*.
Computer skills | *L^AT_EX, Python, Shell, Git, Docker*.