

CURRICULUM VITÆ

Antoine VENDEVILLE

Born on April 23 1994 in Paris, France.

PhD student

University College London
Centre for Doctoral Training in Cybersecurity
Department of Computer Science

Supervisory team

Benjamin Guedj
Shi Zhou

Other affiliations

The Inria London program

Contact

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ACADEMIC POSITIONS

Since 2019

PhD student, University College London.

- Computer Science Department.
- Centre for Doctoral Training in Cybersecurity.
- Supervised by Supervised by Benjamin Guedj and Shi Zhou.
- Expected duration 4 years.

Summer 2019

Research assistant, Sorbonne Université¹.

- Computer Science Department (LiP6), team NPA.
- Supervised by Anastasios Giovanidis, Bruno Baynat, Clémence Magnien.
- Duration 5 months.

Summer 2018

Research assistant, Sorbonne Université¹.

- Computer Science Department (LiP6), team NPA.
- Supervised by Anastasios Giovanidis, Bruno Baynat, Clémence Magnien.
- Duration 5 months.

PUBLICATIONS

2023

- A. Vendeville, B. Guedj and S. Zhou. On discord in the voter model for complex networks. In review.
- A. Vendeville, A. Giovanidis, E. Papanastasiou and B. Guedj. Opening up echo chambers via optimal content recommendations. Proceedings of Complex Networks and Their Applications XI.

2022

- A. Vendeville, B. Guedj and S. Zhou. Towards control of opinion diversity by introducing zealots into a polarised social group. Proceedings of Complex Networks and Their Applications X, 2022.

2021

- A. Giovanidis, B. Baynat, C. Magnien and A. Vendeville. Ranking Online Social Users by Their Influence. IEEE/ACM Transactions on Networking, 2021.
- A. Vendeville, B. Guedj and S. Zhou. Forecasting elections results via the voter model with stubborn nodes. Applied Network Science 6, 1, 2021.

2019

- A. Giovanidis, B. Baynat and A. Vendeville. Performance Analysis of Online Social Platforms. IEEE INFOCOM 2019, pp. 2413-2421.

TALKS AND PRESENTATIONS

2023

- Opening up Echo Chambers via Optimal Content Recommendation. Presented on April 25, 2023 at the MediaLab Sciences Po Paris.
- Opening up Echo Chambers via Optimal Content Recommendation. Presented on April 20, 2023 at the NetPLACE.
- Opening up Echo Chambers via Optimal Content Recommendation. Presented on April 14, 2023 at the Data Natives seminar at City University, London.

2022

- Opening up Echo Chambers via Optimal Content Recommendation. Presented on November 8, 2022 at Complex Networks 2022.
- Active links in the voter model with zealots, poster presented on October 20, 2022 at Conference on Complex Systems.
- Recommendation of content to mitigate the echo chamber effect, poster presented on October 17, 2022 at Conference on Complex Systems.
- Opening up Echo Chambers via Optimal Content Recommendation. Presented on 29, 2022 at Centre d'Economie de la Sorbonne, for the Networks and Games seminar.
- Fighting political echo chambers via content recommendation: Method and application to the 2017 French presidential elections, presented on June 29, 2022 at the Mediterranean School of Complex Networks (MSCX).
- Depolarising Social Networks: Optimisation of Exposure to Adverse Opinions in the Presence of a Backfire Effect, presented on April 12, 2022 at Sorbonne Université to the Complex Networks and NPA teams.
- Voter model with zealots for opinion control and forecast of election results, presented on January 7, 2022 at University College London, for the Information and Decision Systems research group IDS.

2021

- Towards control of opinion diversity by introducing zealots into a polarised social group, poster presented on December 1, 2021 at Complex Networks 2021.
- Voter Model with Stubborn Agents: from Theoretical Solutions to Prediction of Political Elections, presented on July 5, 2021 at Networks 2021.

AWARDS AND GRANTS

I am a member of the Complex Systems Society. I received the yrCSS Bridge Grant, that fosters collaborations between young researchers.

TEACHING

2021 Benjamin Guedj and I supervised Valentin Kilian for a 2 months research internship on opinion dynamics at Inria.

2019-2023 teaching assistant at University College London for Complex Networks and Web (COMP0123).

2020-2021 teaching assistant at University College London for Introductory Programming (COMP0066).
2013-2017 private maths tutor for high school students in Paris.

EDUCATION

2018-2019 Master 2 Data Science, Université Claude Bernard, Lyon.
2017-2018 Master 2 Mathematical Modelling, Sorbonne Université¹.
2015-2017 Master 1 Mathematics and Applications, Sorbonne Université¹.
2012-2015 Bachelor in Mathematics and Applications, Sorbonne Université¹.

PEER REVIEWS

I have reviewed papers for the following journals.

- Nature Scientific Reports
- PLOS ONE
- Proceedings of the Royal Society A
- Computer Communications

1. Former Université Pierre et Marie Curie, Paris, France.