

# Céline Comte

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## Education

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- Ph.D. in Computer Science** – Institut Polytechnique de Paris, France \_\_\_\_\_ 2016–2019  
Supervisor: Thomas Bonald – Co-supervisor: Fabien Mathieu – Reviewers: Christine Fricker, Michel Mandjes.  
Other members of the jury: Hind Castel-Taleb, Nicolas Gast, Alain Jean-Marie (President), Volker Hilt.
- M.Sc. in Computer Science** – École Polytechnique & Télécom Paris, France \_\_\_\_\_ 2015–2016  
*Advanced Communication Networks* option. Obtained with a distinction.
- Engineer's degree** – Télécom Paris, France \_\_\_\_\_ 2013–2016  
*Networks* and *Cryptography and Information Theory* options.
- B.Sc. in Mathematics** – University Paris-Sud 11, France \_\_\_\_\_ 2010–2013  
*Mathematics and Computer Science* option. Obtained with a distinction.

## Research experience

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- Researcher** – LAAS-CNRS, France \_\_\_\_\_ Nov. 2022 – Present  
Team: Services and Architectures for Advanced Networks.
- Assistant Professor** – TU Eindhoven, The Netherlands \_\_\_\_\_ Feb. 2022 – Sept. 2022  
Team: Stochastic Operations Research.
- Postdoctoral Researcher and Lecturer** – TU Eindhoven, The Netherlands \_\_\_\_\_ Nov. 2019 – Jan. 2022  
Performance evaluation of control policies for dynamic matching problems.  
Team: Stochastic Operations Research.
- Doctoral Researcher** – Nokia Bell Labs & Télécom Paris, France \_\_\_\_\_ Oct. 2016 – Sep. 2019  
Resource management in computer clusters: algorithm design and performance analysis.  
Supervisors: Thomas Bonald and Fabien Mathieu.
- Intern Researcher** – Télécom Paris, France \_\_\_\_\_ Mar.–Aug. 2016  
Balanced fair resource sharing in computer clusters.  
Supervisor: Thomas Bonald.

## Teaching experience

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- Stochastics and Simulation for Finance** – TU Eindhoven, The Netherlands \_\_\_\_\_ 2020–2022  
Lecturer – Bachelor, 3<sup>rd</sup> year – 47 students in 2021–2022, 63 in 2020–2021
- Queueing Systems** – TU Eindhoven, The Netherlands \_\_\_\_\_ 2019–2022  
Instructor – Bachelor, 3<sup>rd</sup> year – 46 students in 2021–2022, 39 in 2020–2021, 42 in 2019–2020
- Stochastic Performance Modelling** – TU Eindhoven, The Netherlands \_\_\_\_\_ 2019–2022  
Lecturer and instructor – Bachelor, 3<sup>rd</sup> year – 11 students in 2021–2022, 22 in 2020–2021, 32 in 2019–2020
- Propagation in Graphs** – École Polytechnique & Télécom Paris, France \_\_\_\_\_ 2016–2019  
Lecturer – Master, 2<sup>nd</sup> year – 8 students in 2016–2017, 12 in 2017–2018, 13 in 2018–2019
- Probability and Statistics** – Télécom Paris, France \_\_\_\_\_ 2016–2019  
Lecturer and instructor – Bachelor, 3<sup>rd</sup> year – 32 students in 2016–2017, 29 in 2017–2018, 28 in 2018–2019
- Queueing Theory** – Télécom Paris, France \_\_\_\_\_ 2017–2018  
Lecturer – Master, 1<sup>st</sup> year – 39 students in 2017–2018
- Network Performance Analysis** – Télécom Paris, France \_\_\_\_\_ 2017–2018  
Instructor – Master, 1<sup>st</sup> year – 20 students in 2017–2018
- AlsaSup** – École Alsacienne, France \_\_\_\_\_ 2017–2018  
Lecturer and instructor – High School, 2<sup>nd</sup> year – 10 students in 2017–2018

## Awards and recognition

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- Recipient of a teaching excellence certificate in 2019–2020 and 2020–2021 for the course “Stochastic Performance Modelling” at TU Eindhoven (awarded when both the course and lecturer score 4/5 or higher based on student feedback; received by approximately 8% of teachers every year).
- First prize at the “[Télécom Paris Ph.D. Thesis Award](#)” for the year 2020.
- Best student paper award at the conference [AlgoTel 2017](#).

## Organization of scientific events

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**Reading group “Stochastic Networks and Learning”** – Initiator, co-organizer 2020–2022  
Online – 26 registered participants in 2020–2021 – 30 registered participants in 2021–2022

This online reading group gathered participants from 3 major Dutch universities (TU Eindhoven, University of Amsterdam, Vrije Universiteit Amsterdam). The objective was to help researchers from the probability-theory community understand which contributions they could make in machine learning.

**Workshop “Young European Queueing Theorists (YEQT) XIV”** – Co-organizer — June 7–9, 2021  
Online – 100 registered participants – On average 50 participants per day

This workshop series is organized annually with the support of the workshop center Eurandom (Eindhoven, The Netherlands). The topic of YEQT XIV was “Load balancing and scheduling for distributed service systems”.

**Hackathon “Grand Débat National”** – Initiator, co-organizer Mar. 27, 2019  
LINCS (Paris, France) – 22 participants from 5 institutions (Cambridge, Inria, Nokia Bell Labs France, Télécom Paris, and Université d’Avignon)

Participants were asked to exploit the [open data of the French Grand Débat National](#).

## Professional service

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- Ambassador of the Dutch seminar center [Eurandom](#) since August 2022.
- Member of the Dutch national research school “[Beta Research School for Operations Management and Logistics](#)” since September 2021.
- TPC member at the conferences IFIP Performance in 2020 and 2021, ASMTA in 2021, AlgoTel in 2021 and 2022, and SIGMETRICS in 2023.
- Reviewer for the journals *Performance Evaluation*, *Queueing Systems*, *Stochastic Models*, *Stochastic Systems*, and *Transactions on Networking*.
- Member of the [NETWORKS-COFUND Ph.D. Applicants Selection Committee](#) (second round) in 2021.
- “Examinatrice” at the Ph.D. jury of Arnaud Cadas, supervised by Marc Lelarge (Inria and ENS), in 2021.  
Thesis title: [Stochastic matching models and their applications to demand-supply balancing](#).

## Research grants

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**Grant of the research group “Réseaux et systèmes distribués”** 800€, Dec. 3–5, 2018  
Participation to the IFIP Performance 2018 conference in Toulouse, France

**Call for project of the STIC doctoral school** 500€, Feb.–Apr., 2018  
Visit at TU Eindhoven, The Netherlands

**Call for project of the STIC doctoral school** 500€, June 19–23, 2017  
Participation to the RESCOM summer school in Le Croisic, France

**CIFRE thesis of the ANRT** 2016–2019  
Ph.D. thesis number 2016/0773

## Research visits

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**Visiting Researcher** – IRIT, ENSEIHT, France Dec. 2018  
Performance analysis of scheduling algorithms for computer clusters with distributed processing.  
Host: Urtzi Ayesta

**Visiting Researcher** – TU Eindhoven, The Netherlands Feb.–Apr. 2018  
Performance analysis of load-balancing algorithms for computer clusters in the many-server regime.  
Host: Sem Borst