

# Thu-Le Tran

Université de Rennes 1, France

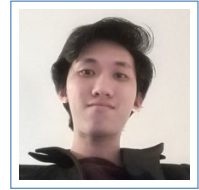
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🌐 [tranthule.blogspot.com/](http://tranthule.blogspot.com/)

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📄 [Tran-Thu-Le](#)



## Education

- 2020-2023 **PhD in Optimization and Statistics**, *Université de Rennes 1*, France
- 2019-2020 **Master 2 in Fundamental Mathematics**, *Université de Rennes 1*, France  
Thesis grade: 18/20
- 2018-2019 **Master 1 in Mathematical Analysis**, *Can Tho University*, Vietnam
- 2014-2018 **Bachelor in Mathematics**, *Can Tho University*, Vietnam  
Thesis grade: 10/10
- 2011-2014 **NTMK High School for the Gifted specialized in Mathematics**, *Soc Trang Province*, Vietnam

## Publications

- 2022 Thu-Le Tran, Clément Elvira, Hong-Phuong Dang, Cédric Herzet, **Beyond GAP screening for Lasso by exploiting new dual cutting half-spaces**, 30th European Signal Processing Conference (EUSIPCO), pages 2056–2060.
- 2020 Pham, V.H., Nguyen, K.T. and Le, T.T., **Inverse stable point problem on trees under an extension of Chebyshev norm and bottleneck Hamming distance**, Optimization Methods and Software, 36(4):755–772.
- 2019 Nguyen, K.T., Hung, N.T., Nguyen-Thu, H., Le, T.T. and Pham, V.H., **On some inverse 1-center location problems**, Optimization, Volumn 68, Issue 5, Page 999-1015.
- 2019 Pham, V.H., Nguyen, K.T. and Le, T.T., **A linear time algorithm for balance vertices on trees**, Discrete Optimization, Page 37-42.
- 2017 Nguyen, K.T. and Le, T.T., **On generalizations of bundle theorem and Miquel's six circles theorem on the plane**, International Journal of Geometry, Page 93-102.
- 2017 Le, T.T. and Nguyen, K.T., **The five connics problem**, Journal of Classical Geometry, Volumn 4.
- 2016 Nguyen, K.T. and Le, T.T., **Problem of twelve circles**, International Journal of Computer Discovered Mathematics, Page 9-12.

## Conferences

- 2023 10th Vietnam Mathematical Congress, Da Nang, Vietnam
- 2022 30th European conference on signal processing (EUSIPCO), Belgrade, Serbia
- 2022 CAP-RFIAP (French Machine Learning conf.), Vannes, France

- 2019 17th National Workshop in Optimization and Computational Science, Ba Vi, Vietnam
- 2018 9th Vietnam Mathematical Congress, Nha Trang, Vietnam
- 2018 Science Research Workshop for Students at School of Education, Can Tho University, Vietnam
- 2018 16th National Workshop in Optimization and Computational Science, Ba Vi, Vietnam
- 2017 15th National Workshop in Optimization and Computational Science, Ba Vi, Vietnam

## Teaching

- 2021-2022 Assisted in teaching a course on **Convex Optimization** for final year undergraduate students in ENSAI, France

## Awards and Honors

- 2019 **Lebesgue Master Scholarship** of Henri Lebesgue Center for outstanding students
- 2014-2018 03 bronze & 04 silver medals of **National Mathematics Olympiad** for students

## Research Activities

I am passionate about mathematics and enjoy both learning and sharing it. You can check out [my blog](#), where I share my experiences of learning new mathematical concepts and programming languages, and [my videos](#), where I record and share my seminars and discussions with friends. In the following, you can also find my research topics, teams and my skills.

### Research Topics

- 2019-now (Sparse, nonsmooth) Convex Optimization and applications *active*
- 2018-2019 Combinatorial Optimization and Inverse Facility Location Problems *inactive*
- 2014-2018 Projective and Classical Geometry *inactive*

### Research Teams

- 2020-now I am currently a member of **IRMAR** (Mathematics Institute of Rennes). IRMAR is one of the ten largest mathematical laboratories in France. I am also a member of **SIMSMART** team (SIMulating Stochastic Models with pARTicles) a joint research team between Inria Rennes – Bretagne Atlantique and IRMAR.
- 2014-2019 I was a member of **Optimization Group** organized by Assoc. Prof. Dr. Lam Quoc Anh and Dr. Kien Trung Nguyen, Can Tho University. The group focuses on equilibrium problems and facility location problems.

### Research Skills

- Computer Python, Julia, Latex, Markdown, Linux
- Language Vietnamese, English, French

### Research Scores (last update 20/3/2023)

- GoogleScholar Citations 17, h-index 3
- ResearchGate Citations 14, RG-score 7.6