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PhD in Mathematics
Université de Rennes 1, France

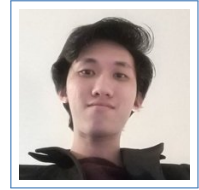
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Full Publications

Since PhD

Topics: *Convex Optimization and Machine Learning*

- 2023 [Thu-Le Tran](#), Clément Elvira, Hong-Phuong Dang, Cédric Herzet, *One to beat them all: "RYU" – A unifying framework for the construction of safe balls*, **SIAM Journal on Optimization** (submitted)
- 2023 [Thu-Le Tran](#), Clément Elvira, Hong-Phuong Dang, Cédric Herzet, *Dimensionality reduction for convex optimization based on safe regions: A unified approach*, **10th Vietnam Mathematical Congress** (abstract submission)
- 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)**
- 2022 [Thu-Le Tran](#), Clément Elvira, Hong-Phuong Dang, Cédric Herzet, *Une nouvelle méthode d'accélération pour LASSO par élimination sûre de variables*, **CAP 2022-Conférence sur l'Apprentissage automatique**

Master and Undergraduate

Topics: *Combinatorial Optimization and Projective Geometry*

- 2021 Van Huy Pham, Kien Trung Nguyen, and [Tran Thu Le](#), *Inverse stable point problem on trees under an extension of Chebyshev norm and bottleneck Hamming distance*, **Optimization Methods and Software**
- 2019 Kien Trung Nguyen, Nguyen Thanh Hung, Huong Nguyen-Thu, [Tran Thu Le](#), and Van Huy Pham, *On some inverse 1-center location problems*, **Optimization**
- 2019 Kien Trung Nguyen and [Tran Thu Le](#), *A linear time algorithm for balance vertices on trees*, **Discrete Optimization**
- 2019 Vo Nguyen Minh Hieu, [Tran Thu Le](#) and Nguyen Ngoc Dang Duy, *A dynamic programming for balanced $\{0, 1\}$ Knapsack problem*, **Discrete Optimization**
- 2018 [Tran Thu Le](#) and Kien Trung Nguyen, *A Generalization of Inverse Single Facility Location Problems on Trees under an Extension of Chebyshev Norm and Bottleneck Hamming Distance*, **9th Vietnam Mathematical Congress** (abstract submission)

- 2017 Kien Trung Nguyen and Tran Thu Le, *On generalizations of bundle theorem and Miquel's six circles theorem on the plane*, **International Journal of Geometry**
- 2017 Tran Thu Le and Kien Trung Nguyen, *The five connics problem*, **Journal of Classical Geometry**
- 2016 Kien Trung Nguyen and Tran Thu Le, *Problem of twelve circles*, **International Journal of Computer Discovered Mathematics**