

Zhenyu.LIAO

Present Address

[CentraleSupélec, L2S](#)

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Personal information

Date of Birth: 28/Aug/1992

Sex: Male

Citizenship: Chinese

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Education

- Ph.D. in Random matrix theory and Machine learning, CentraleSupélec, France
2016-present
 - Thesis: A Random Matrix Approach to Deep Neural Networks Analysis.
 - Supervisor: [Romain COUILLET](#), [Yacine CHITOUR](#).
- M.S in Signal and image processing, CentraleSupélec/Université Paris-Sud, France
2014-2016
 - Thesis: Random matrix analysis of Support Vector Machines.
 - Supervisor: [Prof. Romain COUILLET](#)
- B.S. in Information, System and Technology, University Paris-Sud, France
2013-2014
- B.S. in Optoelectronic, Huazhong university of Science and Technology, China
2010-2014

Internship

- Intern**, l'Institut d'Électronique Fondamentale (IEF), France. Summer 2015
 - Modeling and circuits design of thermoelectric system.
 - Supervisors: [Damien Querlioz](#) and [Jérôme Saint Martin](#)
- Intern**, [FiberhomeTech.Co.Ltd](#), China. Summer 24
 - Assistant in a technical conference on network and telecommunication.
 - Supervisors: Prof. Zhiyong TAO

Publications

- Z. Liao, R. Couillet, "[Random matrices meet machine learning: a large dimensional analysis of LS-SVM](#)", (submitted to) IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP'17), New Orleans, USA, 2017.

Research interests

- Large dimensional learning
- Random matrix theory

Languages

- **Chinese:** Native
- **English:** Fluent
- **French:** Fluent