# Zhenyu.LIAO

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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 JérômSaint 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", IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP'17), New Orleans, USA, 2017.

**Research interests**

- Statistical learning theory
- Random matrix theory

**Languages**

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