

# Long Hai Ngo, Ph.D. Candidate

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## Education

- 2017 – Now    **Ph.D. Candidate, Université Paris 13 – Université Sorbonne Paris Cité in Image Processing and Machine Learning.**  
Thesis title: *Classification Using Sparse Representation and Applications To Skin Lesions Diagnosis.*
- 2016 – 2017    **M.Sc. Engineering and Innovation in Image and Network, Université Paris 13 – Université Sorbonne Paris Cité, France.**  
Thesis title: *Classification Using Sparse Representation.*

## Research/Teaching Experience

- Projects delivered:**  
    Classification: by Sparse Representation, Deep Learning
- 2017–Present    **Research assistant:** Laboratoire de Traitement et Transport de l'Information  
Université Paris 13 – Université Sorbonne Paris Cité, France  
*Research on novel classification algorithms using sparse representation and Deep Learning.  
Apply the algorithms on skin lesion diagnosis*
- 2016    **Teaching Assistant:** VNU-HCMUT  
*Digital Signal Processing Laboratory, Advanced Program in Electrical–Electronics Engineering*

## Research Publications

### Conference Proceedings

- 1    Ngo, L. H., Luong, M., Sirakov, N. M., Le-Tien, T., Guerif, S. & Viennet, E. (2018). Sparse representation wavelet based classification. In *2018 25th IEEE International Conference on Image Processing (ICIP)* (pp. 2974–2978). IEEE.

## Awards and Achievements

- 2016–2017    **EU ERASMUS+ Programme Scholarship, Master Program at Université Paris 13 – Université Sorbonne Paris Cité, France.**
- 2012    **Honorable Mention Award in Physics, Vietnam National Contest for Gifted Students.**

## Skills

- Languages    **Strong competencies for Vietnamese, English, French.**
- Coding    **MATLAB, Python, JavaScript, Java.**
- Data management    **Face/ object database, skin lesions database. .**