Emilie d'Olne

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Education

2020-present

PhD in Speech and Audio Processing, Imperial College London
- Title: *"Acoustic signal processing applications for the support of dementia sufferers."*
- Interests include: beamforming, binaural beamforming, dereverberation, wearable microphone arrays, remote microphones.

2016-2020

MEng Electrical and Electronics Engineering, Imperial College London
- Final year project: *"Automatic Detection of Alzheimer's Disease using Speech"*
- Graduated with first-class honours
- Courses in: machine learning, deep learning, digital signal processing, adaptive signal processing, communication systems.

2010-2016

Certificat d'Enseignement Secondaire Supérieur (A-levels equiv.)**,** Athénée Royal Charles Rogier Liège 1 (Liège, Belgium)

Experience

2019-present

Teaching Assistant, Imperial College London

2019

Research Intern, Speech and Audio Processing Lab, Imperial College London
- Worked on gaze-directed beamforming for hearing aids applications.

Publications

2021

E. d'Olne, A. H. Moore, and P. A. Naylor, "Model-based beamforming for wearable microphone arrays", in *Proc. Eur. Signal Process. Conf. (EUSIPCO)*, Dublin, Ireland, 2021.

Achievements

2020

Institute of Engineering and Technology (IET) Prize

2018, 2019, 2020

Dean's list for Academic Excellence, Imperial College London

Skills & Languages

Technical skills: C++ (advanced), MATLAB (advanced), GitHub (advanced), Python (intermediate), Linux (intermediate), HTML (intermediate), TensorFlow (intermediate)

Languages: French (bilingual), Spanish (intermediate), German (intermediate)