Arne Bechensteen
Ph.D. in Signal Processing

CONTACT

Rambergveien 20A, 3115 Tønsberg

+47 966 34 699

arnebechen@gmail.com

https://abechens.github.io

Tools

MATLAB

Python

C

Languages

Norwegian   French   English   German

Papers in journals

"A continuous relaxation of the constrained l2 – l0 problem" – Journal of Mathematical Imaging and Vision, 63, 2021

"New l2-l0 algorithm for single-molecule localization microscopy. Biomedical Optics Express 11(2) 2020

Passions

About me

I am a R&D engineer specialized in **image** and **signal processing**. **Trilingual** and with a multinational background, I am always striving to develop my knowledge in **applied mathematics**.

Experience

R&D engineer   **2021-**
at *Kongsberg Maritime*
Working in the signal Processing group , focusing on detection algorithms in signals and images.

Teacher assistant   **2017 - 2020**
at *Polytech Sophia Antipolis*
Teach graduate students in classes such as Image processing, Applied AI, and Advanced Machine Learning. We analyzed natural, medical, and aerial survey images.

Research assistant   **2016**
at *Technical University of Denmark*.
Image processing on multispectral images.

Research assistant   **2013 - 2015**
at *Norwegian Defence Research establishment*
I had a two-months internship each year, working on radar frequency analysis, high-speed video analysis, and 3D scanning.

Education

2017-2020: PhD
Université Côte d'Azur
Sparse optimization and biological image processing. – **Awarded best thesis by EDSTIC in Automatic, signal and image processing**

2012-2017: Master / Engineer
Institut National des sciences appliquées Toulouse.
Mathematical and modeling engineering.