

NOISE CANCELLING AND VOICE ISOLATION FOR LOUD NOISY ENVIRONMENTS

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Deep Complex Convolutional Recurrent Network (DCCRN) is the state of the art methods with the best results.

Deep Learning methods are too computationally complex to run on portable devices and traditional methods remain the alternatives.

The objective of my thesis will be exploring the implementation and integration of such methods with 5G technology for out of device processing.

And exploring the applications of the technologies in real time for hearing aids and for important calls in noisy environments such as noisy working places and emergency calls.

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