I. ABSTRACT

II. TABLE OF CONTENTS

III. INTRODUCTION

Motivation of the thesis

IV. LEARNING THE MMSE CHANNEL ESTIMATOR

Description of the signal model in paper and motivation for sparse model

V. Compressive sensing

Description of current signal model and comparison with OMP

VI. EXPERIMENTS AND RESULTS

- A. Convolutional Neural Network
 - 1) Sensing matrix is identity: denoising:
 - 2) Sensing matrix is unitary:
 - 3) Sensing matrix is general: General case:
- B. Multi-layer Perceptron

VII. CONCLUSION