Skeleton of report

ABSTRACT

1.INTRODUCTION

(Multiparty paper,Rsync vs SW,difficulties in SW)

1.1 RDE (Use of SW for multiparty)

(multiparty paper)

Problem statement (including RDE and structured channel codes)

1.2 Polar codes

A brief introduction to polar codes

(arikan and viterbo)(channel plot)

1.3 Implementation of SW using polar codes

(polar codes for non-assym) (swfer plot)

1.4 Rate compatible polar codes

Universality

Reliability ordering

1.5H-ARQ using polar code

H-ARQ

RB-HARQ

Types of H-ARQ using polar codes

Incremental freezing in details

1. Proposed Solution (Iterative SW compression Incremental freezing)

2.1Adaptation of HARQ for RDE

2.2PHY-ED why it is required

2.3definition of the ED test

2.4solutions

2.4a all good channel

2.4b present test (with theta plots etc)

2.5 summary of the solution and performance.

1. Conclusion and future work

3.1proposed scheme (use cases ???)

3.2short packet (URC?) (URC papers and A-HARQ for URC)

3.3 performance and theoritical analysis

3.4 Implementation of multiparty

4.Biblio

Hold LSH for final report,include when used?