

Still to define

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Abstract—The abstract goes here.

Index Terms—Communications Society, IEEE, IEEEtran, journal, LATEX, paper, template.

I. INTRODUCTION

THIS demo file is intended to serve as a “starter file” for IEEE Communications Society journal papers produced under LATEX using IEEEtran.cls version 1.8b and later. I wish you the best of success.

II. SYSTEM MODEL

A. Establishment Protocol

Parler des 3 differents protocol de communication permettant d’établir la comm avec les 3 schemes

B. Communication Protocol

Schema de communication avec addition d AN

- 1) Received sequence at the intended :
- 2) Received sequence at the unintended:

C. Artificial noise Design

III. PERFORMANCE ASSESSMENTS

A. Hypothesis

Mettre les hypotheses p7 du rapport

B. SINR determination

- 1) At the intended position:
- 2) At the unintended position:
 - a) Same decoding structure as Bob:
 - b) Matched filtering:
 - c) Own channel knowledge:

C. Optimal amount of AN energy to inject

- 1) Same decoding structure as Bob:
- 2) Matched filtering:
- 3) Own channel knowledge:

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D. Secrecy rate optimization via waterfilling

IV. SIMULATION RESULTS

A. Comparison between the different models

B. Comparison between models and simulations

C. Waterfilling optimization

V. CONCLUSIONS

A. Subsection Heading Here

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APPENDIX A

PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

APPENDIX B

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Appendix two text goes here.

ACKNOWLEDGMENT

The authors would like to thank...

REFERENCES

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Michael Shell Biography text here.

John Doe Biography text here.

Jane Doe Biography text here.