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Abstract—Since the beginning of recorded history, the act of procuring accurate information and utilizing it has marked the difference between those organizations which fail, and those which succeed. Nowhere is this more evident than in adverserial situations. The side which is able to learn the disposition of an enemy force while concealing their own is at a great advantage [2]. As history has progressed, the simple act of hiding information has ceased to be an effective option, and methods of obfuscating, or encrypting, that information has given birth to the field of cryptography. In the modern age, cryptography is used daily by the majority of the population through the usage of ecommerce, email, or any number of secured web sites. This ubiquitous usage has created a situation where quickly processing many crypotraphic requests at once is necessary, but by its nature, these requests are computationally expensive. This is where hardware extensions which implement cryptography come into play. This paper will explore the current state of cryptographic hardware, it's role in modern usage, and the required background information to understand it.

Keywords—*IEEE, Cryptography, Information Theory.*

I. INTRODUCTION

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

mds
August 26, 2015

A. Subsection Heading Here

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II. CONCLUSION

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APPENDIX A
PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

APPENDIX B

Appendix two text goes here.

REFERENCES

[1] H. Kopka and P. W. Daly, *A Guide to LATEX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.

[2] S. Tzu, "A quote from the art of war," in Good Reads, Goodreads, 2015. [Online]. Available: http://www.goodreads.com/quotes/744436-conceal-your-dispositions-and-your-condition-will-remain-secret-which. Accessed: Dec. 13, 2016.

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