Understanding and Applying Cryptography and Data Security

Adam J. Elbirt

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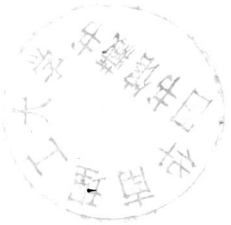

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Dedication

To Danielle, Jacob, and Rachel — the impossible became real because of you. You are the shining lights of my life and bring joy to my heart.

About the Author

Adam J. Elbirt is a Senior Member of Technical Staff at the Charles Stark Draper Laboratory, Inc. He is also a member of the Eta Kappa Nu and Sigma Chi honorary societies.

Elbirt has given seminars for such prestigious universities as Worcester Polytechnic Institute, the New Jersey Institute of Technology, and the University of Massachusetts Lowell. He was a founding member of the Center for Network and Information Security and recently completed a six-year term as a professor of computer science at the University of Massachusetts Lowell.

Prior to joining the Charles Stark Draper Laboratory, Elbirt held senior engineering positions at Viewlogic Systems and NTRU Cryptosystems. He holds a doctor of philosophy degree from Worcester Polytechnic Institute where he performed his research in the area of reconfigurable hardware architectures designed to accelerate cryptographic algorithms. Elbirt has published numerous articles in journals and conference proceedings and many of

his implementations broke previous encryption throughput performance records for symmetric-key algorithms.

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