

# Preface

This volume is designed to take a step toward establishing scientific foundations for cyber deception. Here we present a collection of the latest basic research results toward establishing such a foundation from several top researchers around the world. This volume includes papers that rigorously analyze many important aspects of cyber deception including the incorporation of effective cyber denial and deception for cyber defense, cyber deception tools and techniques, identification and detection of attacker cyber deception, quantification of deceptive cyber operations, deception strategies in wireless networks, positioning of honeypots, human factors, anonymity, and the attribution problem. Further, we have made an effort to not only sample different aspects of cyber deception, but also highlight a wide variety of scientific techniques that can be used to study these problems.

It is our sincere hope that this volume inspires researchers to build upon the knowledge we present to further establish scientific foundations for cyber deception and ultimately bring about a more secure and reliable Internet.

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