



Robert Thibadeau, Chief Scientist, Wave Systems

TITLE

Tidying up Self-Encrypting Drive Adoption

ABSTRACT

Isaac Newton's words were "pretty nearly" correct'. Self-encrypting drives (SEDs) have had great market success with over a billion people a day using them without knowing it. We have been investigating how to cause adoption in the nooks and crannies of laptop and desktop space, consumer space, and all those hundreds of spaces where SEDs have not already been adopted. This includes automotive for personal privacy and many other spaces where non-volatile storage is going to inevitably be. This talk will speak where and how SED technology has succeeded, and succeeded wildly, and where it has not. We will also speak to the need to learn from experience, and get SED technology out to everywhere where NV storage will exist in the future.

BIOGRAPHY

As Chief Scientist for Wave, Dr. Thibadeau serves as a principal advisor to the CEO on scientific matters, contributes to the long-term strategic vision of the company, and performs technical research. Dr. Thibadeau is responsible for identifying, recommending and developing new and innovative technologies that ultimately lead to competitive advantages in the marketplace through the company's products and services. As Wave's primary interface to the scientific community, he is often called upon to share his expertise at conferences and industry events, speaking on advancements in security, encryption and storage. Dr. Thibadeau is an active member of the American Bar Association's eDiscovery and Digital Evidence Committee and co-authored the Data Breach and Encryption Handbook. Prior to joining Wave in February 2010, he was Chief Technologist at Seagate Technology, LLC. There he pioneered a new form of hardware-based encryption, known commercially as self-encrypting drives. Dr. Thibadeau was also the Chair of the Storage Workgroup in the Trusted Computing Group, and a founding director of the Robotics Institute at Carnegie Mellon University. Dr. Thibadeau holds a number of patents. Dr. Thibadeau holds degrees from Emory University and the University of Virginia.