www.archive.org
415.561.6767
415.840-0391 e-fax

Internet Archive
300 Funston Avenue
San Francisco, CA 94118

AFFIDAVIT OF CHRISTOPHER BUTLER

1. I am the Office Manager at the Internet Archive, located in San Francisco, California. I make this declaration of my own personal knowledge.

2. The Internet Archive is a website that provides access to a digital library of Internet sites and other cultural artifacts in digital form. Like a paper library, we provide free access to researchers, historians, scholars, and the general public. The Internet Archive has partnered with and receives support from various institutions, including the Library of Congress.

3. The Internet Archive has created a service known as the Wayback Machine. The Wayback Machine makes it possible to surf more than 450 billion pages stored in the Internet Archive's web archive. Visitors to the Wayback Machine can search archives by URL (i.e., a website address). If archived records for a URL are available, the visitor will be presented with a list of available dates. The visitor may select one of those dates, and then begin surfing on an archived version of the Web. The links on the archived files, when served by the Wayback Machine, point to other archived files (whether HTML pages or images). If a visitor clicks on a link on an archived page, the Wayback Machine will serve the archived file with the closest available date to the page upon which the link appeared and was clicked.

4. The archived data made viewable and browseable by the Wayback Machine is compiled using software programs known as crawlers, which surf the Web and automatically store copies of web files, preserving these files as they exist at the point of time of capture.

5. The Internet Archive assigns a URL on its site to the archived files in the format http://web.archive.org/web/[Year in yyyy][Month in mm][Day in dd][Time code in hh:mm:ss]/[Archived URL]. Thus, the Internet Archive URL http://web.archive.org/web/19970126045828/http://www.archive.org/ would be the URL for the record of the Internet Archive home page HTML file (http://www.archive.org/) archived on January 26, 1997 at 4:58 a.m. and 28 seconds (1997/01/26 at 04:58:28). A web browser may be set such that a printout from it will display the URL of a web page in the printout's footer. The date assigned by the Internet Archive applies to the HTML file but not to image files linked therein. Thus images that appear on a page may not have been archived on the same date as the HTML file. Likewise, if a website is designed with "frames," the date assigned by the Internet Archive applies to the frameset as a whole, and not the individual pages within each frame.

6. Attached hereto as Exhibit A are true and accurate copies of printouts of the Internet Archive's records of the HTML files or PDF files for the URLs and the dates specified in the footer of the printout (HTML) or attached coversheet (PDF).

7. I declare under penalty of perjury that the foregoing is true and correct.

DATE: 5/13/19

Christopher Butler

GUEST TEK EXHIBIT 1019

Exhibit A

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NDSS05 Home
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The 12th Annual
Network and Distributed System Security Symposium
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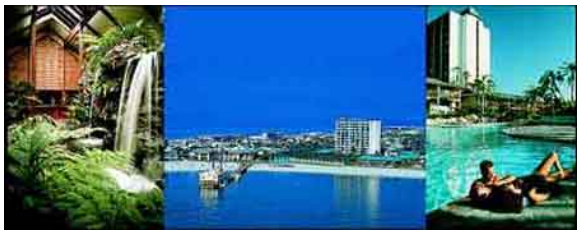

NDSS'05 brings together innovative and forward thinking members of the Internet community including leading-edge security researchers and implementers, globally-recognized security-technology experts, and users from both the private and public sectors who design, develop, exploit, and deploy the technologies that define network and distributed system security.

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Network and Distributed System Security Symposium
Conference Proceedings: 2005

Cryptography in Network Security

Space-Efficient Block Storage Integrity - Alina Oprea, *Carnegie Mellon University* ; Mike Reiter, *Carnegie Mellon University* ; Ke Yang, *Google*

Improved Proxy Re-Encryption Schemes with Applications to Secure Distributed Storage - Giuseppe Ateniese, *Johns Hopkins University* ; Kevin Fu, *MIT* ; Matthew Green, *Johns Hopkins University* ; Susan Hohenberger, *MIT*

Rekeying and Storage Cost for Multiple User Revocation - Sandeep S. Kulkarni, *Michigan State University* ; Bezawada Bruhadeshwar, *Michigan State University*

Denial of Service Attacks

On a New Class of Pulsing Denial-of-Service Attacks and the Defense - Xiapu Luo, *Hong Kong Polytechnic University* ; Rocky K. C. Chang, *Hong Kong Polytechnic University*

MOVE: An End-to-End Solution to Network Denial of Service - Angelos Stavrou, *Columbia University* ; Angelos D. Keromytis, *Columbia University* ; Jason Nieh, *Columbia University* ; Vishal Misra, *Columbia University* ; Dan Rubenstein, *Columbia University*

Security Analysis and Improvements for IEEE 802.11i - Changhua He, *Stanford University* ; John C. Mitchell, *Stanford University*

Peer-to-Peer Approaches

Privacy-Preserving Friends Troubleshooting Network - Qiang Huang, *Princeton University;* Helen J. Wang, *Microsoft Research* ; Nikita Borisov, *University of California, Berkeley*

Pretty Secure BGP, psBGP - Tao Wan, *Carleton University* ; Evangelos Kranakis, *Carleton University* ; P.C. van Oorschot, *Carleton University*

Internet Defense

New Streaming Algorithms for Fast Detection of Superspreaders - Shobha Venkataraman, *Carnegie Mellon University* ; Dawn Song, *Carnegie Mellon University* ; Phillip B. Gibbons, *Intel Research* ; Avrim Blum, *Carnegie Mellon University*

The Internet Motion Sensor - A Distributed Blackhole Monitoring System - Michael Bailey, *University of Michigan* ; Evan Cooke, *University of Michigan* ; Farnam Jahanian, *University of Michigan* ; Jose Nazario, *Arbor Networks* ; David Watson, *University of Michigan*

DNS-based Detection of Scanning Worms in an Enterprise Network - David Whyte, *Carleton University* ; Evangelos Kranakis, *Carleton University* ; P.C. van Oorschot, *Carleton University*

Intrusion Detection

DIRA: Automatic Detection, Identification and Repair of Control-Hijacking Attacks - Alexey Smirnov, *Stony Brook University* ; Tzi-cker Chiueh, *Stony Brook University*

Dynamic Taint Analysis for Automatic Detection, Analysis, and SignatureGeneration of Exploits on Commodity Software - James Newsome, *Carnegie Mellon University* ; Dawn Song, *Carnegie Mellon University*

Platform Security

Address your correspondence to: Director of Conferences and Education, Internet Society, 1775 Wiehle Avenue, Suite 102, Reston, Virginia 20190-5108, U.S.A., tel. +1 703 326 9880, fax +1 703 326 9881, orders@isoc.org.

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