

ACM Copyright and Audio/Video Release

Title of the Work: Optimizing Cryptography in Energy Harvesting Applications

Submission ID: ashes07

Author/Presenter(s): Charles Suslowicz (Virginia Tech); Archanaa S Krishnan (Virginia Tech); Patrick Schaumont (Virginia Tech)

Type of material: Full Paper

Publication and/or Conference Name: ASHES'17: Attacks and Solutions in Hardware Security Proceedings

I. Copyright Transfer, Reserved Rights and Permitted Uses

* Your Copyright Transfer is conditional upon you agreeing to the terms set out below.

Copyright to the Work and to any supplemental files integral to the Work which are submitted with it for review and publication such as an extended proof, a PowerPoint outline, or appendices that may exceed a printed page limit, (including without limitation, the right to publish the Work in whole or in part in any and all forms of media, now or hereafter known) is hereby transferred to the ACM (for Government work, to the extent transferable) effective as of the date of this agreement, on the understanding that the Work has been accepted for publication by ACM.

Reserved Rights and Permitted Uses

(a) All rights and permissions the author has not granted to ACM are reserved to the Owner, including all other proprietary rights such as patent or trademark rights.

(b) Furthermore, notwithstanding the exclusive rights the Owner has granted to ACM, Owner shall have the right to do the following:

(i) Reuse any portion of the Work, without fee, in any future works written or edited by the Author, including books, lectures and presentations in any and all media.

(ii) Create a "[Major Revision](#)" which is wholly owned by the author

(iii) Post the Accepted Version of the Work on (1) the Author's home page, (2) the Owner's institutional repository, (3) any repository legally mandated by an agency funding the research on which the Work is based, and (4) any non-commercial repository or aggregation that does not duplicate ACM tables of contents, i.e., whose patterns of links do not substantially duplicate an ACM-copyrighted volume or issue. Non-commercial repositories are here understood as repositories owned by non-profit organizations that do not charge a fee for accessing deposited articles and that do not sell advertising or otherwise profit from serving articles.

(iv) Post an "[Author-Izer](#)" link enabling free downloads of the Version of Record in the ACM Digital Library on (1) the Author's home page or (2) the Owner's institutional repository;

(v) Prior to commencement of the ACM peer review process, post the version of the Work as submitted to ACM ("[Submitted Version](#)" or any earlier versions) to non-peer reviewed servers;

(vi) Make free distributions of the final published Version of Record internally to the Owner's employees, if applicable;

(vii) Make free distributions of the published Version of Record for Classroom and Personal Use;

(viii) Bundle the Work in any of Owner's software distributions; and

(ix) Use any Auxiliary Material independent from the Work.

When preparing your paper for submission using the ACM TeX templates, the rights and permissions information and the bibliographic strip must appear on the lower left hand portion of the first page.

The new [ACM Consolidated TeX template Version 1.3 and above](#) automatically creates and positions these text blocks for you based on the code snippet which is system-generated based on your rights management choice and this particular conference.

Please copy and paste the following code snippet into your TeX file between `\begin{document}` and `\maketitle`, either after or before CCS codes.

```
\copyrightyear{2017}
\acmYear{2017}
\setcopyright{acmcopyright}
\acmConference{ASHES'17}{November 3, 2017}{Dallas, TX,
USA}\acmPrice{15.00}\acmDOI{10.1145/3139324.3139329}
\acmISBN{978-1-4503-5397-7/17/11}
```

ACM TeX template .cls version 2.8, automatically creates and positions these text blocks for you based on the code snippet which is system-generated based on your rights management choice and this particular conference.

Please copy and paste the following code snippet into your TeX file between `\begin{document}` and `\maketitle`, either after or before CCS codes.

```
\CopyrightYear{2017}
\setcopyright{acmcopyright}
\conferenceinfo{ASHES'17,}{November 3, 2017, Dallas, TX, USA}
\isbn{978-1-4503-5397-7/17/11}\acmPrice{$15.00}
\doi{https://doi.org/10.1145/3139324.3139329}
```

If you are using the ACM Microsoft Word template, or still using an older version of the ACM TeX template, or the current versions of the ACM SIGCHI, SIGGRAPH, or SIGPLAN TeX templates, you must copy and paste the following text block into your document as per the instructions provided with the templates you are using:

Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than ACM must be honored. Abstracting with credit is permitted. To copy otherwise, or republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permissions from Permissions@acm.org.

ASHES'17, November 3, 2017, Dallas, TX, USA
© 2017 Association for Computing Machinery.

NOTE: Make sure to include your article's DOI as part of the bibstrip data; DOIs will be registered and become active shortly after publication in the ACM Digital Library

A. Assent to Assignment. I hereby represent and warrant that I am the sole owner (or authorized agent of the copyright owner(s)), with the exception of third party materials detailed in section III below. I have obtained permission for any third-party material included in the Work.

B. Declaration for Government Work. I am an employee of the National Government of my country and my Government claims rights to this work, or it is not copyrightable (Government work is classified as Public Domain in U.S. only)

Are any of the co-authors, employees or contractors of a National Government? Yes No
Are all of the co-authors, employees or contractors of a National Government? Yes No

II. Permission For Conference Recording and Distribution

* Your Audio/Video Release is conditional upon you agreeing to the terms set out below.

I hereby grant permission for ACM to include my name, likeness, presentation and comments in any and all forms, for the Conference and/or Publication.

I further grant permission for ACM to record and/or transcribe and reproduce my presentation as part of the ACM Digital Library, and to distribute the same for sale in complete or partial form as part of an ACM product on CD-ROM, DVD, webcast, USB device, streaming video or any other media format now or hereafter known.

I understand that my presentation will not be sold separately as a stand-alone product without my direct consent. Accordingly, I give ACM the right to use my image, voice, pronouncements, likeness, and my name, and any biographical material submitted by me, in connection with the Conference and/or Publication, whether used in excerpts or in full, for distribution described above and for any associated advertising or exhibition.

Do you agree to the above Audio/Video Release? Yes No

III. Auxiliary Material

Do you have any Auxiliary Materials? Yes No

IV. Third Party Materials

In the event that any materials used in my presentation or Auxiliary Materials contain the work of third-party individuals or organizations (including copyrighted music or movie excerpts or anything not owned by me), I understand that it is my responsibility to secure any necessary permissions and/or licenses for print and/or digital publication, and cite or attach them below.

- We/I have not used third-party material.
 We/I have used third-party materials and have necessary permissions.

V. Artistic Images

If your paper includes images that were created for any purpose other than this paper and to which you or your employer claim copyright, you must complete Part V and be sure to include a notice of copyright with each such image in the paper.

- We/I do not have any artistic images.
 We/I have any artistic images.

VI. Representations, Warranties and Covenants

The undersigned hereby represents, warrants and covenants as follows:

- (a) Owner is the sole owner or authorized agent of Owner(s) of the Work;
- (b) The undersigned is authorized to enter into this Agreement and grant the rights included in this license to ACM;
- (c) The Work is original and does not infringe the rights of any third party; all permissions for use of third-party materials consistent in scope and duration with the rights granted to ACM have been obtained, copies of such permissions have been provided to ACM, and the Work as submitted to ACM clearly and accurately indicates the credit to the proprietors of any such third-party materials (including any applicable copyright notice), or will be revised to indicate such credit;
- (d) The Work has not been published except for informal postings on non-peer reviewed servers, and Owner covenants to use best efforts to place ACM DOI pointers on any such prior postings;
- (e) The Auxiliary Materials, if any, contain no malicious code, virus, trojan horse or other software routines or hardware components designed to permit unauthorized access or to disable, erase or otherwise harm any computer systems or software; and
- (f) The Artistic Images, if any, are clearly and accurately noted as such (including any applicable copyright notice) in the Submitted Version.

I agree to the Representations, Warranties and Covenants

Funding Agents

1. Semiconductor Research Corporation award number(s): 2712.019
2. National Science Foundation award number(s): 1704176

DATE: **09/11/2017** sent to cesuslow@vt.edu at **10:09:46**