

Accepted Manuscript

Title: Efficiently Computing the Likelihoods of Cyclically Interdependent Risk Scenarios

Author: Steve Muller, Carlo Harpes, Yves Le Traon, Sylvain Gombault, Jean-Marie Bonnin

PII: S0167-4048(16)30115-8
DOI: <http://dx.doi.org/doi: 10.1016/j.cose.2016.09.008>
Reference: COSE 1040

To appear in: *Computers & Security*

Received date: 22-4-2016
Revised date: 2-9-2016
Accepted date: 25-9-2016



Please cite this article as: Steve Muller, Carlo Harpes, Yves Le Traon, Sylvain Gombault, Jean-Marie Bonnin, Efficiently Computing the Likelihoods of Cyclically Interdependent Risk Scenarios, *Computers & Security* (2016), <http://dx.doi.org/doi: 10.1016/j.cose.2016.09.008>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Efficiently Computing the Likelihoods of Cyclically Interdependent Risk Scenarios

Steve Muller^{a,b,c}, Carlo Harpes^a, Yves Le Traon^b, Sylvain Gombault^c, Jean-Marie Bonnin^c

^a*itrust consulting s.à r.l., {steve.muller, harpes}@itrust.lu*

^b*University of Luxembourg, yves.letraon@uni.lu*

^c*Telecom Bretagne, {sylvain.gombault, jm.bonnin}@telecom-bretagne.eu*

Steve Muller

Steve Muller is currently completing his PhD degree in Information Security, co-supervised at the University of Luxembourg, Telecom Bretagne and itrust consulting, and funded by the Fond National de la Recherche (Luxembourg). Holder of a Master's degree in Mathematics, which he obtained from ETH Zürich in 2015, Steve is fascinated by both the precision of mathematics and the power of information technology, which is why he accompanied his mathematical studies with Theoretical Computer Science.

Carlo Harpes

Carlo Harpes holds a PhD in information techniques and cryptography, as well as an electrical engineering diploma from the EPF, Zurich. He is PKI expert registered at ILNAS, ISO auditor for the SNCH, and assistant professor associated to the University of Luxembourg. Carlo Harpes founded itrust consulting in March 2007 and works there as Managing Director and Senior Security Consultant.

Yves Le Traon

Yves Le Traon is professor at University of Luxembourg, in the Faculty of Science, Technology and Communication (FSTC). His domains of expertise are related software engineering and software security, with a focus on software testing and model-driven engineering. He is currently the head of the CSC Research Unit at University of Luxembourg. He is a member of the

Download English Version:

<https://daneshyari.com/en/article/4955550>

Download Persian Version:

<https://daneshyari.com/article/4955550>

[Daneshyari.com](https://daneshyari.com)