

Accepted Manuscript

Title: Data-driven analytics for cyber-threat intelligence and information sharing

Author: Sara Qamar, Zahid Anwar, Mohammad Ashiqur Rahman, Ehab Al-Shaer, Bei-Tseng Chu

PII: S0167-4048(17)30028-7
DOI: <http://dx.doi.org/doi: 10.1016/j.cose.2017.02.005>
Reference: COSE 1105

To appear in: *Computers & Security*

Received date: 22-2-2016
Revised date: 20-11-2016
Accepted date: 6-2-2017



Please cite this article as: Sara Qamar, Zahid Anwar, Mohammad Ashiqur Rahman, Ehab Al-Shaer, Bei-Tseng Chu, Data-driven analytics for cyber-threat intelligence and information sharing, *Computers & Security* (2017), <http://dx.doi.org/doi: 10.1016/j.cose.2017.02.005>.

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.

Data-Driven Analytics for Cyber-Threat Intelligence and Information Sharing

Sara Qamar^a, Zahid Anwar^{a,b}, Mohammad Ashiqur Rahman^c, Ehab Al-Shaer^d, Bei-Tseng Chu^d

^a*School of Electrical Engineering and Computer Science, National University of Sciences and Technology, Islamabad, Pakistan.*

^b*Department of Math and Computer Science, Fontbonne University, St. Louis, USA*

^c*Department of Computer Science, Tennessee Tech University, Cookeville, TN, USA.*

^d*Department of Software and Information Systems, University of North Carolina at Charlotte, Charlotte, USA*

Biographical Sketch

Sara Qamar completed her Masters in Science in Computer and Communications Security from the National University of Sciences and Technology, Islamabad Pakistan under the thesis supervision of Zahid Anwar. Sara was a research assistant in his Systems Research Group. Her research interests include Threat Intelligence and Information Sharing and the Semantic Web.

Zahid Anwar received his Ph.D. and M.S. degrees in Computer Sciences in 2008 and 2005 respectively from the *University of Illinois at Urbana-Champaign*. Zahid has worked as a software engineer and researcher at *IBM, Intel, Motorola, National Center for Supercomputing Applications, xFlow Research and CERN* on projects related to information security and data analytics. Zahid has academic experience working as a post-doctorate fellow at *Concordia University, Canada* and as a faculty member at the *University of North Carolina at Charlotte, USA*. Presently he is an Assistant Professor at *Fontbonne University, USA* and the *National University of Sciences and Technology, Pakistan*.

Mohammad Ashiqur Rahman received his PhD from the College of Computing and he Informatics, University of North Carolina at Charlotte in Spring 2015. Earlier, he received his BS and MS in computer science and engineering from Bangladesh University of Engineering and Technology in 2004 and 2007, respectively. He is currently an Assistant Professor at the Department of Computer Science, Tennessee Tech University. His primary research interest covers a wide area of computer networks and communications, especially computer and information security, risk analysis and security hardening, secure and dependable resource

Download English Version:

<https://daneshyari.com/en/article/4955500>

Download Persian Version:

<https://daneshyari.com/article/4955500>

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