Proceedings

# **EuroUSEC 2018**

# The 3rd European Workshop on Usable Security

April 23, 2018 London, England

Published by the





Internet Society 1775 Wiehle Avenue Suite 201 Reston, VA 20190-5108

### Copyright © 2018 by the Internet Society. All rights reserved.

This volume is published as a collective work. The Internet Society owns the copyright for this publication and the copyrights to the individual papers are retained by their respective author[s].

Address your correspondence to: NDSS Program Manager, Internet Society, 1775 Wiehle Avenue, Suite 201, Reston, Virginia 20190-5108, U.S.A., tel. +1 703 439 2120, fax +1 703 326 9881, ndss@isoc.org.

The papers included here comprise the proceedings of the meeting mentioned on the cover and title page. They reflect the authors' opinions and, in the interest of timely dissemination, are published as presented and without change. Their inclusion in this publication does not necessarily constitute endorsement by the editors or the Internet Society.

ISBN Number (Digital Format) 1-891562-54-1

Additional copies may be ordered from:



Internet Society

1775 Wiehle Avenue Suite 201 Reston, VA 20190-5108 tel +1 703.439.2120 fax +1 703.326.9881 http://www.internetsociety.org Proceedings of EuroUSEC 2018 – The 3rd European Workshop on Usable Security

# **Table of Contents**

#### **Users and Security**

User Perception and Expectations on Deleting Instant Messages ---or--- "What Happens If I Press This Button?"

Theodor Schnitzler, Christine Utz, Florian Farke, Christina Pöpper, Markus Dürmuth

"This Website Uses Cookies": Users' Perceptions and Reactions to the Cookie Disclaimer

Oksana Kulyk, Nina Gerber, Annika Hilt, Melanie Volkamer

#### **Rethinking Principles and Patterns**

A Usability Study of Secure Email Deletion Tyler Monson, Joshua Reynolds, Trevor Smith, Scott Ruoti, Daniel Zappala, Kent Seamons

Rethinking Home Network Security Norbert Nthala, Ivan Flechais

Consolidating Principles and Patterns for Human-centred Usable Security Research and Development

Luigi Lo Iacono, Matthew Smith, Emanuel von Zezschwitz, Peter Leo Gorski, Peter Nehren

#### **Privacy Expectations and Calculations**

The Role of Privacy Violations in Privacy Calculus Maija Poikela, Sebastian Möller

What Can't Data Be Used For? User Privacy Expectations about Smart TVs Nathan Malkin, Julia Bernd, Maritza Johnson, Serge Egelman

#### **Teaching Configuration**

Permission Impossible: Teaching Firewall Configuration in a Game Environment Sibylle Sehl, Kami Vaniea

The 'Retailio' Privacy Wizard: Assisting Users with Privacy Settings for Intelligent Retail Stores

Frederic Raber, David Ziemann, Antonio Krueger

# **Steering Committee**

Andrew A. Adams, *Meiji University* Jim Blythe, *University of Southern California* Jean Camp, *Indiana University* Angela Sasse, *University College London* Matthew Smith, *University of Bonn, Fraunhofer FKIE* 

## **Program Committee Chairs**

Michelle Mazurek, *University of Maryland* Charles Weir, *Lancaster University* 

# **Program Committee**

Yasemin Acar, *Leibniz University* Hannover Pauline Anthonysamy, Google Adam Aviv, U.S. Naval Academy Arosha Bandara, The Open University Ingolf Becker, University College London Eric Bodden, Paderborn University & Fraunhofer IEM Marshini Chetty, Princeton University Barney Craggs, Lancaster University Sauvik Das, Carnegie Mellon University Markus Dürmuth, Ruhr University Bochum Sascha Fahl, *Leibniz University* Hannover Simson Garfinkel, U.S. Census Bureau Katharina Krombholz, SBA Research Julie Haney, University of Maryland, Baltimore County Abby Marsh, Carnegie Mellon University

Maryam Mehrnezhad, Newcastle University Kris Micinski, Haverford College Simon Parkin, University College London Elissa Redmiles, University of Maryland Volker Roth, Freie Universität Berlin Scott Ruoti, MIT Lincoln Laboratory Kent Seamons, Brigham Young University Mahmood Sharif, Carnegie Mellon University Helen Sharp, The Open University Manya Sleeper, Google Thein Tun, *The Open University* Dirk Van der Linden, Lancaster University Yang Wang, Syracuse University Mary Ellen Zurko, MIT Lincoln Laboratory

### Organization

Publicity Chair: Elissa Redmiles, University of Maryland Web Chair: Kristopher Micinski, Haverford College (with help from Yehuda Katz, Maryland)