

January/February 2023 Vol. 21, No. 1

Contents



Cover art by Barry Downard, www.debutart.com

Usable Security and Privacy for Security and Privacy Workers

This issue of *IEEE Security & Privacy* aims to highlight research of value to security and privacy workers as well as practices and case studies of security and privacy workers of value to researchers and other practitioners. We received 12 submissions to the special issue, with seven selected for publication after a rigorous peerreview process. The selected articles represent a wide breadth of usable security and privacy worker research using a variety of research methods. Enjoy the issue!

8 Guest Editors' Introduction—Usable Security and Privacy for Security and Privacy Workers

Mary Ellen Zurko and Julie Haney

20 Eight Lightweight Usable Security Principles for Developers

Peter Leo Gorski, Luigi Lo Iacono, and Matthew Smith

27 Do You Speak Cyber? Talking Security With Developers of Health Systems and Devices

Charles Weir, Anna Dyson, and Dan Prince

37 Supporting Artificial Intelligence/Machine Learning Security Workers Through an Adversarial Techniques, Tools, and Common Knowledge Framework

Mohamad Fazelnia, Ahmet Okutan, and Mehdi Mirakhorli

49 Embedding Privacy Into Design Through Software Developers: Challenges and Solutions

Mohammad Tahaei, Kami Vaniea, and Awais Rashid

58 Contextual Integrity, Explained: A More Usable Privacy Definition

Nathan Malkin

66 The Data Protection Officer: A Ubiquitous Role That No One Really Knows

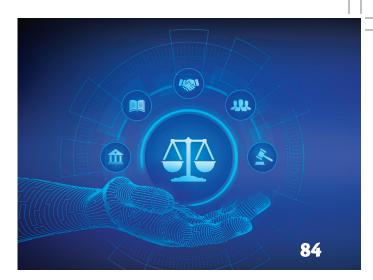
Francesco Ciclosi and Fabio Massacci

Digital Object Identifier 10.1109/MSEC.2022.3223596









Columns

4 From the Editors

Security and Privacy Research Artifacts: Are We Making Progress? Terry Benzel

92 Last Word

Privacy in the Era of 5G, IoT, Big Data, and Machine Learning Elisa Bertino

Departments

11 Over the Rainbow: 21st-Century Security and Privacy

Katie Moussouris: Vulnerability Disclosure and Security Workforce Development Bob Blakley and Lorrie Cranor

78 Building Security In

Nothing Is Good Enough: Fast and Cheap Are Undervalued as Influencers of Security Tool Adoption Adam Shostack

84 Cybercrime and Forensics

The Future of Digital Investigation: Automated Legal Inference Sungmi Park

Also in This Issue

5 | IEEE Reliability Society Information

Cover 3 | IEEE Computer Society Information







