

Table of Contents

International Journal of Cyber Warfare and Terrorism

Volume 10 • Issue 2 • April-June-2020 • ISSN: 1947-3435 • eISSN: 1947-3443

Editorial Preface

- v Brett van Niekerk, , University of KwaZulu-Natal, South Africa
Graeme Pye, , Deakin University, Australia

Research Articles

- 1 **Insider Threat Detection Using Supervised Machine Learning Algorithms on an Extremely Imbalanced Dataset**
Naghmeh Moradpoor Sheykhkanloo, Edinburgh Napier University, Edinburgh, UK
Adam Hall, Edinburgh Napier University, Edinburgh, UK
- 27 **On the Behavior-Based Risk Communication Models in Crisis Management and Social Risks Minimization**
Yuriy V. Kostyuchenko, Scientific Centre for Aerospace Research of the Earth, National Academy of Sciences of Ukraine, Kyiv, Ukraine
Viktor Pushkar, Social Transformation Group, Kyiv, Ukraine
Olga Malysheva, Social Transformation Group, Kyiv, Ukraine
Maxim Yuschenko, Scientific Centre for Aerospace Research of the Earth, National Academy of Sciences of Ukraine, Kyiv, Ukraine
- 46 **Predicting and Explaining Cyber Ethics with Ethical Theories**
Winfred Yaokumah, University of Ghana, Accra, Ghana
- 64 **The Security Aspects of Automotive Over-the-Air Updates**
James Howden, De Montfort University, Leicester, UK
Leandros Maglaras, De Montfort University, Leicester, UK
Mohamed Amine Ferrag, Guelma University, Guelma, Algeria
- 82 **Deep Learning in Cybersecurity: Challenges and Approaches**
Yadigar N. Imamverdiyev, Institute of Information Technology, Azerbaijan National Academy of Sciences, Baku, Azerbaijan
Fargana J. Abdullayeva, Institute of Information Technology of Azerbaijan National Academy of Sciences, Baku, Azerbaijan

COPYRIGHT

The **International Journal of Cyber Warfare and Terrorism (IJCWT)** (ISSN 1947-3435; eISSN 1947-3443), Copyright © 2020 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Cyber Warfare and Terrorism* is indexed or listed in the following: Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest Military Collection; ProQuest SciTech Journals; ProQuest Technology Journals; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)