TABLE OF CONTENTS

| Introduction | 1 |
|---|-----|
| Covid-19 and the Cyber Pandemic: A Plea for International Law and the Rule of Sovereignty in Cyberspace François Delerue | 9 |
| Impact of Good Corporate Practices for Security of Digital Products on Global Cyber Stability Vladimir Radunović, Jonas Grätz-Hoffmann and Marilia Maciel | 25 |
| The Role of Artificial Intelligence in Kinetic Targeting from the Perspective of International Humanitarian Law Anastasia Roberts and Adrian Venables | 43 |
| Limiting Viral Spread: Automated Cyber Operations and the Principles of Distinction and Discrimination in the Grey Zone Monica Kaminska, Dennis Broeders and Fabio Cristiano | 59 |
| Epidemic? The Attack Surface of German Hospitals during the COVID-19 Pandemic Johannes Klick, Robert Koch and Thomas Brandstetter | 73 |
| The Vulnerability of the Financial System to a Systemic Cyberattack Bobby Vedral | 95 |
| Strategic Cyber Effects in Complex Systems: Understanding the US Air Transportation Sector Charles Harry and Skanda Vivek | 111 |
| Adversary Targeting of Civilian Telecommunications Infrastructure Keir Giles and Kim Hartmann | 133 |

| In the Same Boat: On Small Satellites, | |
|--|-----|
| Big Rockets, and Cyber Trust | |
| James Pavur, Martin Strohmeier, Vincent Lenders | |
| and Ivan Martinovic | |
| Possibilities and Limitations of Cyber | |
| Threat Intelligence in Energy Systems | |
| Csaba Krasznay and Gergő Gyebnár | |
| Building a National Cyber Strategy: | |
| The Process and Implications of the Cyberspace | |
| Solarium Commission Report | |
| Brandon Valeriano and Benjamin Jensen | |
| The Cyberspace 'Great Game'. | |
| The Five Eyes, the Sino-Russian Bloc and the Growing | |
| Competition to Shape Global Cyberspace Norms | |
| Nikola Pijović | |
| The Global Spread of Cyber Forces, 2000–2018 | |
| Jason Blessing | 22- |
| Windmills of the Mind: Higher-Order Forms | |
| of Disinformation in International Politics | |
| James Shires | |
| Cyber Personhood | |
| Neal Kushwaha, Keir Giles, Tassilo Singer | |
| and Bruce Watson | |
| Explainable AI for Classifying | |
| Devices on the Internet | |
| Artūrs Lavrenovs and Roman Graf | |
| Towards an AI-powered Player | |
| in Cyber Defence Exercises | |
| Roland Meier, Artūrs Lavrenovs, Kimmo Heinäaro, | |
| Luca Gambazzi and Vincent Lenders | |

| Threat Actor Type Inference and Characterization | 327 |
|--|-----|
| within Cyber Threat Intelligence | |
| Vasileios Mavroeidis, Ryan Hohimer, | |
| Tim Casey and Audun Jøsang | |
| Self-Aware Effective Identification and | 353 |
| Response to Viral Cyber Threats | |
| Pietro Baroni, Federico Cerutti, Daniela Fogli, | |
| Massimiliano Giacomin, Francesco Gringoli, | |
| Giovanni Guida and Paul Sullivan | |
| Quantum Communication for | 371 |
| Post-Pandemic Cybersecurity | |
| Martin C. Libicki and David C. Gompert | |
| Biographies | 387 |
| | |

4.50