

Editorial Preface

Special Issue on the 16th European Conference on Cyber Warfare and Security

Brett van Niekerk, University of KwaZulu-Natal, South Africa

Graeme Pye, Deakin University, Australia

It is with great pleasure that we would like to present this fourth issue of the International Journal of Cyber Warfare and Terrorism (IJCWT) for 2019. The IJCWT publishes original innovative findings on ethical, political, legal, and social issues relating to security and cybernetic wars. This journal focuses on cyber warfare, security and terrorism using examples from around the world. IJCWT covers technical aspects, management issues, social issues, and government issues that relate to cyber warfare, security and terrorism.

The mission of the IJCWT is to explore a range of security related topics and generate research debates in relation to cyber warfare, security and terrorism. Targeting researchers, practitioners, academicians, government officials, military professionals and other industry professionals. The IJCWT provides a forum to discuss human, technical, and policy issues in relation to cyber warfare and terrorism.

In this issue of the IJCWT, the following three research articles were invited for publication based on papers presented at the 16th European Conference on Cyber Warfare and Security. The articles include substantial additional research, thereby expanding upon the original paper presentations at the conference.

The first article, “The Modelling and Simulation of Integrated Battlefield Cyber-Kinetic Effects,” is authored by David Ormrod and Benjamin Turnbull. The authors propose a framework for modelling and simulating cyber-attacks intended to degrade an adversary’s capability through the disruption of their information systems. The proposed framework is applicable to a wide range of cyber-physical environments, and seeks to provide guidance on integrating cyber and physical domains in modelling and simulation.

The second article, titled “The Changing Winds of World Politics and Global Cyber Stability,” by Virginia A. Greiman, investigates three aspects of international security (globalism, regionalism, and nationalism) that is shaping cyber-security in an international context. These aspects can affect the willingness of nations or regions to

cooperate in cyberspace in the approaches to combatting cyber-crime and responding to international cyber-operations.

The third article, “Cyber Counterintelligence: Cyber counterintelligence – an Exploratory Proposition on a Conceptual Framework,” is authored by Petrus Duvenage, Thenjiwe Sithole, and Basie von Solms. A conceptual framework for cyber-counterintelligence is proposed by the authors. They detail the development and components of the framework throughout the article, with reference to strategic, operational, tactical and technical considerations.

Finally, the issue concludes with a book review by Maximiliano Korstanje, providing his critique of “Surveillance and Terror in Post-9/11 British and American Television” by Darcie Rives-East.

With our final issue of volume 9, we look forward to our tenth year of publication in 2020, and to the continued development of the journal’s reputation in the cyberwarfare and protection research community.

Brett van Niekerk

Graeme Pye

Editors-in-Chief

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