



*Routledge Studies in Conflict, Security and Technology*

# ARTIFICIAL INTELLIGENCE AND INTERNATIONAL CONFLICT IN CYBERSPACE

Edited by

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Frederick Douzet and Aude Géry



# Technology And The Limitation Of International Conflict

**A Gutmann**



## **Technology And The Limitation Of International Conflict:**

**Contributions of Technology to International Conflict Resolution** H. Chestnut, 2014-06-28 This book investigates technology's potential for stimulating and strengthening approaches that can lead to the peaceful solution of international conflicts. It discusses the causes of war, the political and social implications of neighbourhood and international involvement, and evaluates various aid programmes. Models are applied to methods of mediation and simulating power distribution and decision making to show how modern technology can be used to promote resolution in the event of conflict. **Proceedings of the Conference on Technology-Based Confidence Building: Energy and Environment**, 1989. The Limitations of the Law of Armed Conflicts: New Means and Methods of Warfare Pablo Antonio Fernández-Sánchez, 2022-05-09 In the law of armed conflicts, one of the elements that has changed the most has been the means and methods of warfare. Yet there are few legal answers for the many questions these changes pose. This volume therefore seeks to identify the limitations of current international law on this double plane: the means and methods of combat, and to offer insights about how to address them. Topics include the use of nuclear energy, which without being a weapon, can have the same effect as one; chemical and biological weapons; autonomous artificial intelligence weapons; and biobots. Similarly, fake news, the hostile use of cyberspace, lawfare, the use of big data, terrorism as a combat method, premeditated poisoning, sexual humiliation, the impact of such news on the armed forces, and the reorganization needed to face the new scenarios are all situations not contemplated in classical law and which require new legal and operational responses. **Bulletin of the Atomic Scientists**, 1989-05.

*Technology, Society, and Conflict* Elena G. Popkova, Manas Chatterji, 2022-09-16 Technology, Society and Conflict comprehensively studies and systematically highlights technological inequalities as a source of conflict in digital development while developing an economic and legal approach to resolving them. **Verification** Francesco Calogero, 2019-03-20 Since 1957 the Pugwash Conferences have brought together influential scholars and public figures concerned with reducing the danger of nuclear war. Meeting in private as individuals rather than as representatives of their governments or institutions, Pugwash participants exchange views with a combination of candour and flexibility seldom found in public forums. **Technology and International Transformation** Geoffrey L. Herrera, 2007-06-01 Examines the interrelation between technology and international politics since the nineteenth century. **Jihadists and Weapons of Mass Destruction** Gary Ackerman, Jeremy Tamsett, 2009-02-03 Explores the Nexus Formed When Malevolent Actors Access Malignant Means. Written for professionals, academics, and policymakers working at the forefront of counterterrorism efforts, *Jihadists and Weapons of Mass Destruction* is an authoritative and comprehensive work addressing the threat of weapons of mass destruction (WMD) in the hands of jihadists. **Emerging Technologies and International Stability** Todd S. Sechser, Neil Narang, Caitlin Talmadge, 2021-11-28 Technology has always played a central role in international politics; it shapes the ways states fight during wartime and compete during peacetime. Today, rapid advancements have contributed to a widespread sense that the

world is again on the precipice of a new technological era Emerging technologies have inspired much speculative commentary but academic scholarship can improve the discussion with disciplined theory building and rigorous empirics This book aims to contribute to the debate by exploring the role of technology both military and non military in shaping international security Specifically the contributors to this edited volume aim to generate new theoretical insights into the relationship between technology and strategic stability test them with sound empirical methods and derive their implications for the coming technological age This book is very novel in its approach It covers a wide range of technologies both old and new rather than emphasizing a single technology Furthermore this volume looks at how new technologies might affect the broader dynamics of the international system rather than limiting the focus to a stability The contributions to this volume walk readers through the likely effects of emerging technologies at each phase of the conflict process The chapters begin with competition in peacetime move to deterrence and coercion and then explore the dynamics of crises the outbreak of conflict and war escalation in an environment of emerging technologies The chapters in this book except for the Introduction and the Conclusion were originally published in the Journal of Strategic Studies

**Bulletin of the Atomic Scientists**, 1970-02 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security Founded by Manhattan Project Scientists the Bulletin's iconic Doomsday Clock stimulates solutions for a safer world

**Arms Transfer Limitations and Third World Security** Thomas Ohlson, 1988 Is the arms trade totally uncontrolled What are the main obstacles to limitations on arms transfers What can be learned from past attempts at arms transfer control This book which completes SIPRI's trilogy on the facts and implications of Third World build up of major conventional weapons assesses past efforts current proposals and future possibilities to limit the transfer of weapons and military technology to Third World countries It is a companion to the two SIPRI volumes Arms Production in the Third World 1986 and Arms Transfers to the Third World 1971-85 OUP 1987

Science, Technology, Policy and International Law Justo Corti Varela, Paolo Davide Farah, 2024-10-02 This book presents innovative insights into the intersections between science technology and society and particularly their regulation by the law Departing from the idea that law and science have similar methods and objectives the book deals with problems and solutions that source from these interactions concerns on how to integrate scientific evidence into trials how to best regulate new technologies or whether technological innovations could improve democratic legitimacy create new regulatory tools or even new spaces of regulation and what is the impact on the society The edited collection by building on a functionalist and comparatist approach offers answers to how to best integrate law science and technology in policy making and reviews the current attempts made at the transnational and international levels Case studies ranging from emerging technologies via environmental protection to statistics are complemented by a solid theoretical framework all of which seek to provide readers with tools for critical thinking in the reassessment of the relationship among theory practice political goals and international regulation

**International Calibration Study of Traffic Conflict Techniques** E. Asmussen, 2012-12-06 The concept of traffic conflict was initiated in the United States in the 60s and raised a lot of interest in many countries it was an opening towards the development of a new tool for safety evaluation and the diagnosis of local safety problems The need for such a tool was great because of the many situations where accident data was either scarce unsatisfactory or unavailable Development of Traffic Conflict Techniques TCT started simultaneously in the 70s in several European countries and new studies were also undertaken in the United States Canada and Israel The need for international cooperation was rapidly felt in order to exchange data compare definitions and check progresses An Association for International Cooperation on Traffic Conflict Techniques ICTCT was therefore created grouping researchers and safety administrators with the aim of promoting and organising exchange of information and common practical work Three Traffic Conflict Techniques Workshops were organised in Oslo 1977 Paris 1979 and Leidschendam 1982 A small scale international experiment of calibration of TCTs was also carried out in Rouen France in 1979 and five teams took part in it from France Germany Sweden the United Kingdom and the United States results of this first experiment were used as a basis for the present enterprise To be acknowledged as a safety measuring tool traffic conflict techniques had to be validated in relation to traditional safety indicators such as injury accidents

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The Limits of Culture Brenda Shaffer, 2006 Experts analyze the effect of cultural interests on the foreign policy of states in the Caspian region including Iran Azerbaijan Armenia Georgia Afghanistan Kazakhstan and Pakistan

The Challenge of Conflict Ustinia Dolgopol, Judith Gail Gardam, 2006 This collection is an integrated body of essays that provides a comprehensive range of viewpoints on how international legal and political

mechanisms can address the catastrophic consequences of deadly conflict in today's world. The authors are drawn from a diverse range of disciplines encompassing law, peace studies, international relations and criminal justice and include judges, members of the military, academics, United Nations personnel and representatives of non-government organisations.

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*Cross-Domain Deterrence* Erik Gartzke, Jon R. Lindsay, 2019-02-01 Deterrence theory which emerged during the Cold War explains how states can use nuclear threats to prevent nuclear war. Today however the threat landscape is significantly more complex. Alongside ever more sophisticated nuclear weapons arsenals, contemporary threats include cyberwarfare, anti-satellite weapons, robotic drones and advanced conventional weapons. To deal with the new threat environment, the Pentagon identified five operational domains: land, sea, air, space and cyberspace. The resulting model is an integrated, flexible regime that is able to deter threats across domains. In this volume, a leading cast of scholars and national security practitioners explore the logic and application of cross-domain deterrence in theory and practice.

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