### Securing Outer Space

Edited by

Natalie Bormann and Michael Sheehan



Routledge Critical Security Studies Series

**Natalie Bormann, Michael J. Sheehan** 

Securing Outer Space Natalie Bormann, Michael Sheehan, 2009-01-30 This edited volume analyses a number of controversial policies and strategies relating to Space activities and to place these in a broader theoretical perspective The book reveals the relationship between activities in Outer Space and terrestrial international relations of World Politics John Baylis, Steve Smith, Patricia Owens, 2014 Working from a unique non U S perspective this market leading text provides a coherent accessible and engaging introduction to the globalization of world politics Now in its sixth edition The Globalization of World Politics has been fully revised and updated in light of recent developments in world politics FEATURES Presents contributions from an impressive line up of international experts each of whom provides accessible but stimulating insights into history theory structures processes and other key issues in the field Offers a visually appealing full color interior Provides a strong pedagogical program that includes numerous boxes figures tables maps questions lively examples and case studies Securing Outer Space Natalie Bormann, Michael Sheehan, 2009-01-30 The challenges that space poses for political theory are profound Yet until now the exploration and utilization of space has generally reflected but not challenged the political patterns and impulses which characterized twentieth century politics and International Relations This edited volume analyses a number of controversial policies and contentious strategies which have promoted space activities under the rubric of exploration and innovation militarization and weaponization colonization and commercialization It places these policies and strategies in broader theoretical perspective in two key ways Firstly it engages in a reading of the discourses of space activities exposing their meaning producing practices uncovering the narratives which convey certain space strategies as desirable inevitable and seamless Secondly the essays suggest ways of understanding and critically engaging with the effects of particular space policies. The essays here seek to bring back space into the realm of International Relations discourse from which it has been largely removed marginalized and silenced The various chapters do this by highlighting how activities in outer space are always connected to earth bound practices and performances of the every day Securing Outer Space will be of great interest to students of space power critical security studies and IR theory

Space Environment and International Politics Hasret Çomak, Burak Şakir Şeker, 2024-02-19 Embark on an enlightening journey through the vast expanse of space law and policy with Space Environment and International Politics Authored by experts in the field this comprehensive volume explores the intricacies of international space law from the development of legal frameworks to the challenges posed by space debris and the regulation of space activities Delving into the space policies of international organizations such as the United Nations NATO and the European Space Agency the book offers invaluable insights into efforts to ensure outer space security and foster sustainable space politics Examining key issues surrounding space security and warfare including cyber security threats and the militarization of space the authors provide a

nuanced understanding of the evolving geopolitical dynamics With its meticulous research insightful analysis and balanced discussions this book is an indispensable resource for policymakers scholars and practitioners navigating the complex terrain of international space law and politics Whether you re a seasoned professional or an aspiring student Space Environment and International Politics offers a captivating glimpse into the legal political and technological dimensions of politics beyond Earth CONTENTS PREFACE CHAPTER I INTERNATIONAL LAW AND SPACE ENVIRONMENT THE DEVELOPMENT OF INTERNATIONAL SPACE LAW Caner Akkaya and Ozan rmeci LEGAL STATUS OF SPACE DEBRIS a la Arslan Bozku and Volkan Bozku SPACE NEGOTIATIONS THROUGH THE LENSES OF INTERNATIONAL LAW ncel Sen erman PEACEFUL AND NON PEACEFUL USES OF OUTER SPACE IN INTERNATIONAL LAW Tuba Talcal Ko CHAPTER II SPACE POLICIES OF THE INTERNATIONAL ORGANIZATIONS UNITED NATIONS EFFORTS TO ENSURE OUTER SPACE SECURITY Do an afak Polat NATO'S SPACE POLICY in the 2000s Sibel Kayuncu EVOLUTION OF THE EUROPEAN SPACE AGECY ESA REGULATION OF SPACE IN INTERNATIONAL POLITICS Caner Akkaya and Cenap akmak CHAPTER III STATES AND SUSTAINABLE SPACE POLITICS RUSSIAN FEDERATION S SPACE SECURITY APPROACH Ahmet Sapmaz T RKIYE S STUDIES IN THE SPACE FIELD Hande Ortay DEVELOPMENT OF SPACE POLICY AND LAW IN T RK YE Onur Sabri Durak EXAMINATION OF T RK YE S SPACE POLICIES WITHIN THE SCOPE OF SUSTAINABILITY a lar zer CHAPTER IV SPACE SECURITY AND WARFARE CYBER SECURITY IN SPACE Serkan G nen AN ASSESSMENT OF SPACE SECURITY UNDERSTANDING SPACE THREAT VECTORS AND THEIR IMPACT ON MILITARY ASPECTS AND HUMAN SECURITY UNDER INTERNATIONAL LAW Nebile Pelin Mant ASSESSMENT OF EXPANDING SECURITY INTO SPACE AND TRANSFORMING SPACE INTO A NEW WARFIGHTING DOMAIN OPPORTUNITIES AND THREATS Murat P nar and Soyalp Tam elik MILITARY IMPORTANCE OF SPACE AND SPACE SECURITY Fuat nce SPACE SECURITY PERCEPTIONS OF SPACEFARING NATIONS Serap G rsel EMERGING SPACE WARFARE TECHNOLOGIES AND SPACE AS A POSSIBLE THEATER OF WAR Serap G rsel CHAPTER V SPACE ENVIRONMENT AND INTERNATIONAL POLITICS SPACE SECURITY THROUGH MAIN IR THEORIES Burak akir eker POWER BALANCE IN THE SPACE ENVIRONMENT Burak akir eker SPACE AND INTERNATIONAL POLITICS Mesut hret SPACE DIPLOMACY AS A GLOBAL SECURITY MEASURE IN WEAPONIZATION OF OUTER SPACE Tolga Erdem CHAPTER VI TECHNOLOGICAL INNOVATIONS SOCIAL LIFE AND SPACE CULTURE NANO AND MICRO SATELLITES AS THE PILLAR OF THE NEW SPACE PARADIGM Fuat nce SATELLITE POLLUTION AROUND THE WORLD H seyin elik CONCEPTS AND MODELS OF DESIGN FOR URBANIZATION OF SPACE Ersan Ko IS INTERNATIONAL SOCIETY POSSIBLE IN THE SPACE G khan Alptekin Securing Outer Space Natalie Bormann, Michael J. Sheehan, 2009 This book explores the questions Outer Space raises for our understanding of terrestrial international relations Security and Stability in the New Space Age Brad Townsend, Taylor & Francis Group, 2020 This book examines the drivers behind great power security competition in space to determine whether realistic strategic

alternatives exist to further militarization Space is an area of increasing economic and military competition This book offers an analysis of actions and events indicative of a growing security dilemma in space which is generating an intensifying arms race between the US China and Russia It explores the dynamics behind a potential future war in space and investigates methods of preventing an arms race from an International Relations theory and military strategy standpoint The book is divided into three parts the first section offers a broad discussion of the applicability of International Relations theory to current conditions in space the second is a direct application of theory to the space environment to determine whether competition or cooperation is the optimal strategic choice the third section focuses on testing the hypotheses against reality by analyzing novel alternatives to three major categories of space systems. The volume concludes with a study of the practical limitations of applying a strategy centred on commercialization as a method of defusing the orbital security dilemma This book will be of interest to students of space power strategic studies and International Relations **Critical Security** Studies Columba Peoples, Nick Vaughan-Williams, 2014-08-27 Critical Security Studies introduces students to the sub field through a detailed yet accessible survey of evolving approaches and key issues This new edition contains two new chapters and has been fully revised and updated Written in an accessible and clear manner Critical Security Studies offers a comprehensive and up to date introduction to critical security studies locates critical security studies within the broader context of social and political theory evaluates fundamental theoretical positions within critical security studies in application to key issues The book is divided into two main parts The first part Approaches surveys the newly extended and contested theoretical terrain of critical security studies Critical Theory Feminism and gender theory Postcolonialism Poststructuralism and Securitization theory The second part Issues then illustrates these various theoretical approaches against the backdrop of a diverse range of issues in contemporary security practices from environmental human and homeland security to border security technology and warfare and the War against Terrorism This edition also includes new chapters on Constructivist theories Part I and health Part II The historical and geographical scope of the book is deliberately broad and readers are introduced to a number of key illustrative case studies Each of the chapters in Part II concretely illustrate one or more of the approaches discussed in Part I with clear internal referencing allowing the text to act as a holistic learning tool for students This book is essential reading for upper level students of Critical Security Studies and an important resource for students of International Global Security Political Theory and International Relations The International Politics of Space Michael Sheehan, 2007-10-15 This book examines the interaction of international politics and space using case studies and various theoretical approaches to international relations Security Studies Paul D Williams, Matt McDonald, 2018-03-07 Security Studies An Introduction 3rd edition is the most comprehensive textbook available on the subject providing students with an essential grounding in the debates frameworks and issues on the contemporary security agenda This new edition has been comprehensively revised and updated with new chapters added on poststructuralism postcolonialism securitization peace

and violence development women peace and security cybersecurity and outer space Divided into four parts the text provides students with a detailed accessible overview of the major theoretical approaches key themes and most significant issues within security studies Part 1 explores the main theoretical approaches from both traditional and critical standpoints Part 2 explains the central concepts underpinning contemporary debates Part 3 presents an overview of the institutional security architecture Part 4 examines some of the key contemporary challenges to global security Collecting these related strands into a single textbook creates a valuable teaching tool and a comprehensive accessible learning resource for undergraduates and MA students Space Policy in Developing Countries Robert C. Harding, 2013 This book analyses the rationale and history of space programs in countries of the developing world Space was at one time the sole domain of the wealthiest developed countries However the last couple of decades of the twentieth century and the first decade of the twenty first century have witnessed the number of countries with state supported space programs blossom Today no less than twenty five developing states including the rapidly emerging economic powers of Brazil seventh largest China second largest and India fourth largest possess active national space programs with already proven independent launch capability or concrete plans to achieve it soon This work places these programs within the context of international relations theory and foreign policy analysis The author categorizes each space program into tiers of development based not only on the level of technology utilised but on how each fits within the country's overall national security and or development policies. The text also places these programs into an historical context which enables the author to demonstrate the logical thread of continuity in the political rationale for space capabilities generally This book will be of much interest to students of space power and politics development studies strategic studies and international relations in general **National Security and International** Relations (Routledge Revivals) Peter Mangold, 2013-10-14 First published in 1990 National Security and International Relations provides a concise analysis of the problem of national security in the twentieth century It examines the criteria by which states decide what level of security they want to seek in an uncertain and essentially Hobbesian world and why some states tend to underinsure while obsessively insecure states overinsure frequently making others more insecure in the process In the wake of two world wars and the threat of nuclear destruction Peter Mangold argues that war was becoming as much a source of insecurity as the intentions of other states It then explores the different approaches attempted during the twentieth century to ameliorate or ideally escape from the security dilemma These range from international regimes to the restructuring of the international politics of Western Europe so as to substitute cooperation for conflict and U S and Soviet attempts to render nuclear competition safer through arms control and confidence building measures Of special value to students of International Relations and Strategic Studies this book will also interest those keen to understand the challenges embodied in Gorbachev's new thinking in foreign policy Security Studies Theo Farrell, 2009-11-24 Security Studies traces its origins to work on the causes of war It remains the most significant subdiscipline of International Relations and at the

beginning of the twenty first century its concerns with the security of the international system and the individual as well as the state remain as pertinent and urgent as ever Addressing the need for an authoritative reference work to make sense of this rapidly growing and ever more complex corpus of scholarly literature Security Studies is a new title in the Routledge series Critical Concepts in International Relations Edited by Theo Farrell of King's College London and chair of the International Security Studies section of the International Studies Association it is a five volume collection of the foundational and the very best cutting edge scholarship Routledge Handbook of Space Policy Thomas Hoerber, Mariel Borowitz, Antonella Forganni, Bruno Reynaud de Sousa, 2024-12-30 This volume offers a comprehensive overview of the field of space policy Space is a technology driven domain and policy development has accelerated in recent years at a time when the space economy has begun to show remarkable potential Thus this handbook gathers experts from different fields with the aim of 1 offering an overview of the state of play regarding space policy issues and 2 expanding knowledge about possible future developments Given the cross disciplinary nature of the subject and its vast scope the authors contributions are grouped within different thematic sections as follows Theoretical structures for an understanding of space policies The history of space Society justice and the human impact Governance of space Popularisation of space New frontiers in space and expansion into the unknown World space policies by geographic areas The introduction and the conclusion chapters provide a coherent connection between the contributions with each section presenting transversal themes such as power dynamics and rules commercialisation sustainability militarisation applications and domestic use and justice This volume will be of much interest to students of space policy and power security studies and international relations International **Politics of Space** Michael Sheehan, 2014 The year 2007 saw the fiftieth anniversary of the Space Age which began with the launching of Sputnik by the Soviet Union in October 1957 Space is crucial to the politics of the postmodern world It has seen competition and cooperation in the past fifty years and is in danger of becoming a battlefield in the next fifty The International Politics of Space is the first book to bring these crucial themes together and provide a clear and vital picture of how politically important space has become and what its exploitation might mean for all our futures Michael Sheehan analyzes the space progr International Security Studies Peter Hough, Bruce Pilbeam, Wendy Stokes, 2020-08-04 This new and updated edition of International Security Studies provides students with a comprehensive introduction to the subject of security studies with a strong emphasis on the use of case studies to illustrate theoretical debates In addition to presenting the major theoretical perspectives the book examines a range of important and controversial topics in covering both traditional military and non military security issues such as WMD proliferation humanitarian intervention food security and environmental security The volume also offers a wide range of case studies providing detailed analyses of important global security issues The 37 chapters contain pedagogical features and recommended further reading and are divided into five thematic sections Conceptual and Theoretical Military Security Non Military Security Institutions and Security Case Studies

Updates for the second edition include New chapters on cybersecurity and the insecurity of the LGBT community Substantial revisions to existing chapters to incorporate analysis of important international political developments including the Trump Presidency Brexit North Korean nuclear standoff the Syrian Civil War Yemen Civil War Mediterranean migration crisis Climate change diplomacy and the Sustainable Development Goals This textbook will be essential reading for all students of security studies and highly recommended for students of critical security studies human security peace and conflict studies foreign policy and International Relations in general Critique, Security and Power Tara McCormack, 2013-05-22 This book aims to engage with contemporary security discourses from a critical perspective It argues that rather than being a radical analytical outlook much critical security theory fails to fulfil its promise to pose a challenge to contemporary power relations In general critical security theories and dialogues are understood to be progressive theoretical frameworks that offer a trenchant evaluation and analysis of contemporary international and national security policy Tara McCormack investigates the limitations of contemporary critical and emancipatory theorising and its relationship with contemporary power structures Beginning with a theoretical critique and moving into a case study of the critical approaches to the break up of the former Yugoslavia this book assesses the policies adopted by the international community at the time to show that much contemporary critical security theory and discourse in fact mirrors shifts in post Cold War international and national security policy Far from challenging international power inequalities and offering an emancipatory framework contemporary critical security theory inadvertently ends up serving as a theoretical justification for an unequal international order This book will be of much interest to students of critical security studies international relations and security studies Tara McCormack is Lecturer in International Politics at the University of Leicester and has a PhD in International Relations from the University of Westminster National and International Security Michael Sheehan, 2018-01-18 This title was first published in 2000 This series brings together significant journal articles appearing in the field of comparative politics over the past 30 years The aim is to render accessible to teachers researchers and students an extensive range of essays to provide a basis for understanding the established terrain and new ground This volume introduces the undergraduate to a significant body of the periodical literature on the subject of national and international security **International Security Studies** Peter Hough, Andrew Moran, Bruce Pilbeam, 2025-08-11 Fully revised to incorporate recent developments this third edition of International Security Studies provides students with a comprehensive and accessible textbook on security with a particular emphasis on the use of case studies to illustrate theoretical debates In addition to presenting the major theoretical perspectives the book examines a range of important and controversial topics in covering both traditional military and non military security issues such as nuclear proliferation humanitarian intervention food security and environmental security Unlike most standard textbooks the volume also offers a wide range of case studies including chapters on the US China the Middle East Russia East Africa and the Arctic providing detailed analyses of important global security issues and the

application of theoretical debates to major contemporary issues The 36 chapters contain pedagogical features such as textboxes summary points and recommended further reading and are divided into five thematic sections Conceptual and theoretical Military security Non military security Institutions and security Case studies This textbook will be essential reading for all students of security studies and highly recommended for students of critical security studies human security peace and conflict studies foreign policy and International Relations in general Interpreting Global Security Mark Bevir, Oliver Daddow, Ian Hall, 2013-08-15 This edited collection explores the fruitfulness of applying an interpretive approach to the study of global security The interpretive approach concentrates on unpacking the meanings and beliefs of various policy actors and crucially explains those beliefs by locating them in historical traditions and as responses to dilemmas Interpretivists thereby seek to highlight the contingency diversity and contestability of the narratives expertise and beliefs that inform political action The interpretive approach is widespread in the study of governance and public policy but arguably it has not yet had much impact on security studies. The book therefore deploys the interpretive approach to explore contemporary issues in international security combining theoretical engagement with good empirical coverage through a novel set of case studies Bringing together a fresh mix of world renowned and up and coming scholars from across the fields of security studies political theory and international relations the chapters explore the beliefs traditions and dilemmas that have informed security practice on the one hand and the academic study of security on the other as well as the connections between them All contributors look to situate their work against a broader historical background and long standing traditions allowing them to take a critical yet historically informed approach to the material The Politics of Space Eligar Sadeh, 2014-09-11 This title provides a concise guide to the way in which politics and space exploration interact

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