

An ontology of modern conflict

Type de contenu : Texte

Type de médiation : sans médiation

Type de support : Volume

Titre(s) : An ontology of modern conflict : including conventional combat and unconventional conflict /
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Auteur(s) : Hartley III, Dean S. (19.-.....)

Publication : Cham : Springer

Date de copyright : C 2021

Description matérielle : 1 vol. (XXXV-445 p.) : ill., graph., tabl. ; 24 cm

Collection : Understanding complex systems 1860-0832

ISBN : 978-3-030-53213-0

EAN : 9783030532130 rel.

Appartient à la collection : Understanding complex systems (Print) 1860-0832

Classification décimale Dewey : 355.001 13

Note sur les bibliographies et les index : Bibliogr. p. 433-436. Index

Note sur le contenu : Chapter 1. Introduction Chapter 2. The Portrayal of Women in Jihadi Organizations Chapter 3. Operation-based Jihadi Organizations Chapter 4. State-building Jihadi Organizations Chapter 5. Women in Operation-based Jihadi Organizations Chapter 6. Women in State-building Jihadi Organizations: Legitimacy Chapter 7. Women in State-building Jihadi Organizations: Public Goods and Service Provision Chapter 8. Women in State-building Jihadi Organizations: Security Chapter 9. Conclusion

Résumé ou extrait : La 4e de couv. indique : "This volume develops and describes an ontology of modern conflict. Modern conflict is a complex adaptive system. As such, it exhibits emergent properties, or properties that are not predictable from simple descriptions of the system. The Modern Conflict Ontology (MCO) creates a structure for collecting and analyzing information regarding both conventional and unconventional conflict in the face of uncertainty. The first three chapters of the book begin the discussion of the MCO. The first chapter introduces the foundational concepts. The second chapter

discusses modern conflict in detail. The third chapter provides an overview of ontologies in sufficient detail to make the rest of the book understandable, but without covering the minutia of the subject. The next ten chapters describe the parts of the MCO. Each part is a sub-ontology and is discussed in detail, including connections to the other parts. Instances are used very liberally to ensure that the concepts are made concrete. The final chapter consolidates the descriptions of the ontology into a discussion of "what we can know." It describes the implementation history and changes from the predecessor Unconventional Conflict Ontology (UCO) to the MCO, plus some uses of the ontology and potential future enhancements. Providing an ontology that describes the entire modern conflict domain, this volume is appropriate for military professionals and academics and professionals in political science, computer science, and operations research."

Sujet - Nom commun : Art et science militaires -- Simulation par ordinateur
Guerre -- Simulation par ordinateur