4 Considerations for Offensive Cyberspace Operations

Integrating offensive cyberspace operations into the joint targeting cycle presents distinct challenges for commanders and planners. Officers from three services provide considerations and recommendations for commanders to take full advantage of this combat multiplier.

12 Responsibility Practices in Robotic Warfare
Deborah G. Johnson, Ph.D., and Merel E. Noorman, Ph.D.

The authors discuss the issues of responsibility and accountability inherent to the use of autonomous robotic systems. They espouse the incorporation of responsibility practices during the development of new technologies.

22 Failed Cyberdefense: The Environmental Consequences of Hostile Acts
Jan Kallberg, Ph.D., and Rosemary A. Burk, Ph.D.

Defending against cyberattacks is more than just protecting computer networks. The authors discuss weaknesses in our cyberdefense and convey a warning that cyberattacks could cause long-term environmental damage.

26 The Utility of Cyberpower
Lt. Col. Kevin L. Parker, U.S. Air Force

The Department of Defense considers cyberspace an operational domain with distinctive characteristics that present advantages and corresponding limitations. An Air Force officer explains the importance of integrating cyberspace operations in a strategic context and discusses the way ahead.

34 Beyond Cocaine Cowboys: Looking at Security in Latin America from a Different Perspective

The authors draw on their extensive regional expertise to show that U.S. security cooperation policy in Latin America needs to extend beyond the fight against drug trafficking.

38 Cybersecurity: It Isn’t Just for Signal Officers Anymore
Lt. Col. D. Bruce Roeder, U.S. Army, Retired

The author discusses a variety of cyberthreats and how the United States should combat them. He shows why cybersecurity is everyone’s business.

43 Network-Centric Warfare and the Data-Information-Knowledge-Wisdom Hierarchy
Col. Harry D. Tunnell IV, U.S. Army, Retired

Integration of a data-information-knowledge-wisdom hierarchy into a network-centric-capable information system framework can enhance leader decision making in combat.
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Maj. Thomas G. Matyók, Ph.D., U.S. Army, Retired; Cathryne L. Schmitz, Ph.D., MSW

The authors believe peace and conflict studies should be integrated into the Army’s professional education curriculum. They show how this approach to educating soldiers could provide the skills to resolve conflicts through nonviolent conflict management.

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Lt. Col. Phillip W. Reynolds, U.S. Army

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