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Nota di contenuto	Front matter -- Contents -- Acknowledgments -- Acronyms and Abbreviations -- Introduction -- 1. The Nature of the Iraqi Insurgency, Networks, and Organizational Adaptation -- 2. The Iraqi Insurgency—Organizational Inputs -- 3. The Iraqi Insurgency—Organizational Outputs, Learning, and Summary of the Adaptive Cycle -- 4. Seeing Afghanistan, Thinking Iraq—Evaluating and Comparing the Insurgency in Afghanistan -- 5. It Takes More than a Network -- Notes -- References -- Index
Sommario/riassunto	It Takes More than a Network presents a structured investigation of the Iraqi insurgency's capacity for and conduct of organizational adaptation. In particular, it answers the question of why the Iraqi insurgency was seemingly so successful between 2003 and late 2006 and yet nearly totally collapsed by 2008. The book's main argument is that the Iraqi insurgency failed to achieve longer-term organizational goals because many of its organizational strengths were also its organizational weaknesses: these characteristics abetted and then

corrupted the Iraqi insurgency's ability to adapt. The book further compares the organizational adaptation of the Iraqi insurgency with the organizational adaptation of the Afghan insurgency. This is done to refine the findings of the Iraq case and to present a more robust analysis of the adaptive cycles of two large and diverse covert networked insurgencies. The book finds that the Afghan insurgency, although still ongoing, has adapted more successfully than the Iraqi insurgency because it has been better able to leverage the strengths and counter the weaknesses of its chosen organizational form.

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Autore

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003.3

Mathematics - Data processing

Numerical analysis

Algorithms

Pattern recognition systems

Machine learning

Computers, Special purpose

Computational Science and Engineering

Numerical Analysis

Design and Analysis of Algorithms

Automated Pattern Recognition

Machine Learning

Special Purpose and Application-Based Systems

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Nota di contenuto	<p>Trustworthy Technologies for Autonomous Human-Machine Systems -- Challenges in Understanding Trust and Trust Modeling: Quenching the Thirst for AI Trust Management -- Stress Contagion Protocols for Human-Autonomy Teaming -- AVCA: Autonomous Virtual Cognitive Assessment -- Light-weighted CNN-Attention based Architecture Trained with a Hybrid Objective Function for EMG-based Human Machine Interfaces -- Fairness, Bias and Trust in the Context of Biometric-enabled Autonomous Decision Support -- An Autonomous Fake News Recognition System by Semantic Learning in Cognitive Computing -- Addressing Dataset Shift for Trustworthy Deep Learning Diagnostic Ultrasound Decision Support.</p>
Sommario/riassunto	<p>The LNCS journal Transactions on Computational Science reflects recent developments in the field of Computational Science, conceiving the field not as a mere ancillary science but rather as an innovative approach supporting many other scientific disciplines. The journal focuses on original high-quality research in the realm of computational science in parallel and distributed environments, encompassing the facilitating theoretical foundations and the applications of large-scale computations and massive data processing. It addresses researchers and practitioners in areas ranging from aerospace to biochemistry, from electronics to geosciences, from mathematics to software architecture, presenting verifiable computational methods, findings, and solutions, and enabling industrial users to apply techniques of leading-edge, large-scale, high performance computational methods. This, the 40th issue of the Transactions on Computational Science, is a special issue, comprised of seven papers, and devoted to the developing and novel techniques for Trustworthy Technologies for Autonomous Human-Machine Systems. They include emerging and innovative applications of computer security-based applications, as well as theoretical contributions that are relevant to Trustworthy Technologies for Autonomous Human-Machine Systems.</p>