



Cybersecurity and High-Performance Computing Environments : Integrated Innovations, Practices, and Applications

Li, Kuan-Ching.

Providence University Taiwan

Sukhija, Nitin

Bautista, Elizabeth

Gaudiot, Jean-Luc

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Monografía

In this fast-paced global economy, academia and industry must innovate to evolve and succeed. Today's researchers and industry experts are seeking transformative technologies to meet the challenges of tomorrow. The cutting-edge technological advances in cybersecurity solutions aids in enabling the security of complex heterogeneous high-performance computing environments. On the other hand, high-performance computing power facilitates powerful and intelligent innovative models for reducing time to response to identify and resolve a multitude of potential new emerging cyber-attacks. Cybersecurity and High-Performance Computing Environments provides a collection of the current and emergent research innovations, practices, and applications focusing on the interdependence of cybersecurity and high-performance computing domains for discovering and resolving new emerging cyber-threats. Key Features: Represents a substantial research contribution to state-of-the-art solutions for addressing the threats to Confidentiality, Integrity, and Availability (CIA Triad) in high-performance computing (HPC) environments. Covers the groundbreaking and emergent solutions that utilize the power of the HPC environments to study and understand the emergent multifaceted anomalous and malicious characteristics. The content will help university students, researchers, and professionals understand how high-performance computing research fits broader cybersecurity objectives and vice versa

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Autores: Li, Kuan-Ching. Providence University Taiwan Sukhija, Nitin Bautista, Elizabeth Gaudiot, Jean-Luc

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es