

Unveiling the Architecture of Computing Systems: ARCS 2024

ARCS 2024, the International Conference on Architectures for Computing Systems, is the premier event for researchers and industry professionals in the field of computer architecture. This prestigious conference provides a unique platform to present and discuss the latest advancements, ongoing challenges, and future directions in computing systems architecture.



Architecture of Computing Systems – ARCS 2024: 33rd International Conference, Aachen, Germany, May 25–28, 2024, Proceedings (Lecture Notes in Computer Science Book 12155)

★★★★★ 5 out of 5

Language : English
File size : 21205 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 385 pages



Scope and Focus

ARCS 2024 will cover a broad range of topics related to computer architecture, including:

- Processor and memory architectures
- Networking and storage systems

- System-on-chip (SoC) and embedded systems
- Artificial intelligence (AI) and machine learning (ML) architectures
- Parallel and distributed computing
- Quantum computing
- Edge computing
- Energy-efficient and sustainable computing

Key Themes

The conference will explore several key themes that are shaping the future of computing systems:

- **Data-centric computing:** The explosion of data in various forms is driving the need for architectures that can efficiently process, analyze, and store massive datasets.
- **Heterogeneous computing:** The integration of diverse computing elements, such as CPUs, GPUs, and FPGAs, is becoming increasingly common to meet the demands of complex workloads.
- **Security and privacy:** The growing importance of cybersecurity and privacy protection necessitates the development of secure and privacy-preserving architectures.
- **Energy efficiency and sustainability:** The environmental impact of computing systems is becoming a major concern, leading to the exploration of energy-efficient and sustainable architectural solutions.

Prominent Speakers

ARCS 2024 will feature a lineup of renowned speakers from academia and industry, including:

- **Prof. David Patterson**, University of California, Berkeley
- **Dr. Lisa Su**, CEO of Advanced Micro Devices (AMD)
- **Prof. Margrit Stallmann**, Karlsruhe Institute of Technology
- **Dr. Shekhar Borkar**, Senior Fellow at Intel
- **Dr. Mark Hill**, University of Wisconsin-Madison

Registration and Participation

Registration for ARCS 2024 is now open. The conference will be held in Porto, Portugal, from July 1st to 5th, 2024. Participants are encouraged to submit their research papers, attend technical sessions, and engage in discussions with experts in the field.

ARCS 2024 is shaping up to be a pivotal event in the field of computer architecture. It will offer a unique opportunity for researchers, industry professionals, and students to gather, share knowledge, and envision the future of computing systems. The conference is a must-attend for anyone interested in the cutting-edge advancements and trends in this dynamic and ever-evolving field.



Architecture of Computing Systems – ARCS 2024: 33rd International Conference, Aachen, Germany, May 25–28, 2024, Proceedings (Lecture Notes in Computer Science Book 12155)

★★★★★ 5 out of 5

Language : English
File size : 21205 KB
Text-to-Speech : Enabled

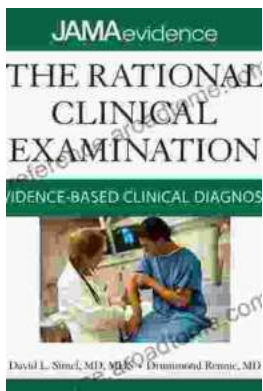
Screen Reader : Supported

Enhanced typesetting: Enabled

Print length : 385 pages

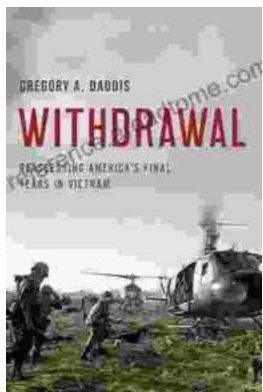
FREE

DOWNLOAD E-BOOK



Unlock the Secrets of Accurate Clinical Diagnosis: Discover Evidence-Based Insights from JAMA Archives Journals

Harnessing the Power of Scientific Evidence In the ever-evolving landscape of healthcare, accurate clinical diagnosis stands as the cornerstone of...



Withdrawal: Reassessing America's Final Years in Vietnam

The Controversial Withdrawal The withdrawal of American forces from Vietnam was one of the most controversial events in American history. The war...