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Nota di contenuto	Intro -- A COMPANION TO THE ANCIENT NEAR EAST -- Contents -- List of Figures -- List of Maps -- Notes on Contributors -- Acknowledgments -- Introduction -- Part I The Shape of the Ancient Near East -- 1 Historical Overview -- 2 From Sedentism to States, 10, 000-3000 BCE -- 3 The Age of Empires, 3100-900 BCE -- 4 World Hegemony, 900-300 BCE -- Part II Discourses on Methods -- 5 Archaeology and the Ancient Near East: Methods and Limits -- 6 The Languages of the Ancient Near East -- 7 The Historian's Task -- Part III Economy and Society -- 8 The Degradation of the Ancient Near Eastern Environment -- 9 Nomadism Through the Ages -- 10 Mesopotamian Cities and Countryside -- 11 Money and Trade -- 12 Working -- 13 Law and Practice -- 14 Social Tensions in the Ancient Near East -- 15 Gender Roles in Ancient Egypt -- 16 Royal Women and the Exercise of Power in the Ancient Near East -- 17 Warfare in Ancient Egypt -- Part IV Culture -- 18 Transmission of Knowledge -- 19 Literature -- 20 Ancient Near Eastern Architecture -- 21 Mesopotamian Art -- 22 Ancient Mesopotamian Medicine -- 23 Mesopotamian Cosmology -- 24

Divine and Non-Divine Kingship -- 25 How Religion Was Done -- Part V Heritage of the Ancient Near East -- 26 The Invention of the Individual -- 27 Ethnicity -- 28 Public versus Private in the Ancient Near East -- 29 Democracy and Freedom -- 30 Monotheism and Ancient Israelite Religion -- 31 The Decipherment of the Ancient Near East -- 32 Legacies of the Ancient Near East -- References -- Index.

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Autore

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Diehl Patrick

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CaoQinglei
HeraultThomas
BosilcaGeorge

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Computer Hardware

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Materiale a stampa

Monografia

- A Task-parallel Pipeline Programming Model with Token Dependency.
-- Dynamic Resource Management: Comparison of Asynchronous Many-Task (AMT) and Dynamic Processes with PSets (DPP). -- Closing a Source Complexity Gap between Chapel and HPX. -- Fail-stop Failure Protection for Coordinated Work Stealing of Tasks that Communicate through Futures. -- Futures in Task Graphs – Extending Taskflow With Dynamic Data Dependencies. -- Adaptively Optimizing the Performance of HPX's Parallel Algorithms. -- GPRat: Gaussian Process Regression with Asynchronous Tasks. -- Supporting OpenMP Free

Agents by Leveraging the nOS-V Threading Library. -- Analyzing Data Sparsity in Global and Compact Support Radial Basis Functions for 3D Unstructured Mesh Deformation. -- Scalable Block-Sparse Matrix Multiplication Using Template Task Graphs. -- Type-level invariants for SPMD programming with Rust. -- Comparing and Contrasting User and Runtime Directed Data Placement Strategies for Owner-Compute, Multi-Accelerator Distributed Task Based Scheduling. -- Toward Portable GPU Performance: Julia Recursive Implementation of TRMM and TRSM. -- Contemplating a Lightweight Communication Interface for Asynchronous Many-Task Systems. -- Leveraging Hardware-Aware Computation in Mixed-Precision Matrix Multiply: A Tile-Centric Approach.

Sommario/riassunto

This book constitutes the refereed proceedings of the Third International Workshop on Asynchronous Many-Task Systems and Applications, WAMTA 2025, held in St. Louis, Missouri, USA during February 19–21, 2025. The 13 full papers and 2 short papers included in this book were carefully reviewed and selected from 18 submissions. The WAMTA 2025 conference proceedings help developers, users, and proponents of these models and systems share experience, discuss how they meet the challenges posed by Exascale system architectures, and explore opportunities for increased performance, robustness, productivity, and full-system utilization.
