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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Abstracts Invited Talks -- Topic 1: Support Tools and Environments -- Topic 2: Performance Prediction and Evaluation -- Topic 3: Scheduling and Load Balancing -- Topic 4: High Performance Architectures and

Compilers -- Topic 5: Parallel and Distributed Databases -- Topic 6: Grid, Cluster, and Cloud Computing -- Topic 7: Peer-to-Peer Computing -- Topic 8: Distributed Systems and Algorithms -- Topic 9: Parallel and Distributed Programming -- Topic 10: Parallel Numerical Algorithms -- Topic 11: Multicore and Manycore Programming -- Topic 12: Theory and Algorithms for Parallel Computation -- Topic 13: High-Performance Networks -- Topic 14: Mobile and Ubiquitous Computing.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 15th International Conference on Parallel Computing, Euro-Par 2009, held in Delft, The Netherlands, in August 2009. The 85 revised papers presented were carefully reviewed and selected from 256 submissions. The papers are organized in topical sections on support tools and environments; performance prediction and evaluation; scheduling and load balancing; high performance architectures and compilers; parallel and distributed databases; grid, cluster, and cloud computing; peer-to-peer computing; distributed systems and algorithms; parallel and distributed programming; parallel numerical algorithms; multicore and manycore programming; theory and algorithms for parallel computation; high performance networks; and mobile and ubiquitous computing.

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