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Descrizione fisica	1 online resource (XVI, 302 p. 108 illus.)
Collana	Programming and Software Engineering ; ; 7490
Disciplina	004/.35
Soggetti	Algorithms Computer communication systems Software engineering Computer programming Computer organization Computer simulation Algorithm Analysis and Problem Complexity Computer Communication Networks Software Engineering Programming Techniques Computer Systems Organization and Communication Networks Simulation and Modeling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	MPI implementation techniques and issues -- Benchmarking and performance analysis -- Programming models and new architectures -- Run-time support -- Fault-tolerance -- Message-passing algorithms -- Message-passing applications -- IMUDI, improving MPI user and developer interaction.
Sommario/riassunto	This book constitutes the refereed proceedings of the 19th European MPI Users' Group Meeting, EuroMPI 2012, Vienna, Austria, September 23-26, 2012. The 29 revised papers presented together with 4 invited

talks and 7 poster papers were carefully reviewed and selected from 47 submissions. The papers are organized in topical sections on MPI implementation techniques and issues; benchmarking and performance analysis; programming models and new architectures; run-time support; fault-tolerance; message-passing algorithms; message-passing applications; IMUDI, improving MPI user and developer interaction.
