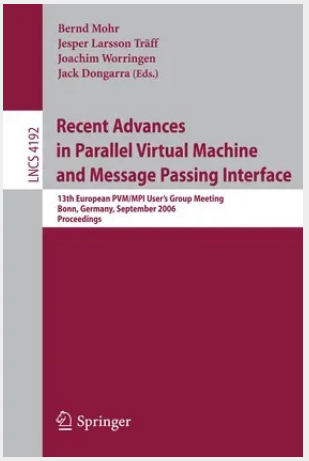
Mohr / Larsson Träff / Worringen

Recent Advances in Parallel Virtual Machine and Message Passing Interface

13th European PVM/MPI User's Group Meeting, Bonn, Germany, September 17-20, 2006, Proceedings

This book constitutes the refereed proceedings of the 13th European PVM/MPI Users' Group Meeting, held in September 2006. The book presents 38 revised full papers together with abstracts of 6 invited contributions, 4 tutorial papers and 6 poster papers. The papers are organized in topical sections on collective communication, communication protocols, debugging and verification, fault tolerance, metacomputing and grid, parallel I/O, implementation issues, object-oriented message passing, limitations and extensions and performance.

Since its inception in 1994 as a European PVM user's group meeting, - roPVM/MPIhasevolvedintotheforemostinternationalconferencededicatedto the latest developments concerning MPI (Message Passing Interface) and PVM (Parallel Virtual Machine). These include fundamental aspects of these message passingstandards,implementation,newalgorithmsandtechniques,performance and benchmarking, support tools, and applications using message passing. - spite its focus, EuroPVM/MPI is accommodating to new message-passing and other parallel and distributed programming paradigms beyond MPI and PVM. Over the years the meeting has successfully brought together developers, - searchers and users from both academia and industry. EuroPVM/MPI has c- tributed to furthering the understanding of message passing programming in these paradigms, and has positively in?uenced the quality of many implemen- tionsofbothMPIandPVMthroughexchangeofideasandfriendlycompetition. EuroPVM/MPI takes place each year at a di?erent European location, and the 2006 meeting was the 13th in the series. Previous meetings were held in Sorrento (2005), Budapest (2004), Venice (2003), Linz (2002), Santorini (2001), Balatonfu ¨red(2000),Barcelona(1999),Liverpool(1998),Cracow(1997),Munich (1996),Lyon(1995),andRome(1994).EuroPVM/MPI2006tookplaceinBonn, Germany, 17 – 20 September, 2006, and was organized jointly by the C&C Research Labs, NEC Europe Ltd., and the Research Center Julic ¨ h.



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