

Message from the DARES Chair

This workshop is a successor of the successful workshop held at the ICDCS 2003 conference. Discussions during that workshop show a connection with reconfiguration and adaptation of systems, raising many issues, which led to this new edition. "Distributed Auto-adaptive and Reconfigurable Systems" workshop aims to bring users and researchers together in a scientific forum to share their recent work related to diverse aspects of dynamic reconfiguration and adaptation of distributed computing systems. Fundamentals, paradigms, appropriate approaches and experiments will be discussed. The workshop will thus present opportunities to exchange experiences and discuss further evolutions and their expected benefits. We are pleased and honored to organize, with the PC members, such an exciting event.

Dynamic reconfiguration and adaptation of systems is a new and rapidly growing area, which brings new perspectives to systems development. Increasingly, applications are required to take into account autonomously and dynamically their execution context evolution and environment fluctuation, adapting themselves. Issues will be discussed from which adaptiveness and reconfiguration, Impact on the management and control, Development Perspectives, Design issues, Applications, Platforms, Tools, and Languages.

Many challenging approaches will be developed during presentations and discussion sessions. The technical areas of this workshop are divided into four parts: (1) an introductory session concerning context driven adaptation, (2) a part dealing with the composition and configuration followed by a discussion, (3) a third part dedicated to algorithms, protocols and properties issues followed by a discussion on the relation between performance and adaptability, and (4) lastly to consider networking for dynamic reconfiguration and adaptivity of distributed systems. Most of the presentations will end with an implementation and concrete conclusions upon their approach. This workshop will end with a wrap-up discussion.

We would like to thank the authors for their efforts to provide excellent work, especially in such an emerging but tricky domain and for the concretization of their models and approaches so that their worthwhile work will be a stepping stone to greater academic and industrial expectations. We are very grateful to the PC members for their efforts in the development of the technical program.

DARES 2004 Workshop Program Co-Chairs

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