

RDDS 2008 PC Co-chairs' Message

Middleware has become a popular technology for building distributed systems from sensor networks to large-scale peer-to-peer (P2P) networks. Support such as asynchronous and multipoint communication is well suited for constructing reactive distributed computing applications over wired and wireless networks environments. While the middleware infrastructures exhibit attractive features from an application-development perspective (e.g., portability, interoperability, adaptability), they are often lacking in robustness and reliability. This workshop focuses on reliable decentralized distributed systems. While decentralized architectures are gaining popularity in most application domains, there is still some reluctance in deploying them in systems with high dependability requirements. Due to their increasing size and complexity, such systems compound many reliability problems that necessitate different strategies and solutions. This has led, over the past few years, to several academic and industrial research efforts aimed at correcting this deficiency. The aim of the RDDS Workshop is to bring researchers and practitioners together, to further our insights into reliable decentralized architectures and to investigate collectively the challenges that remain. The program for RDDS 2008 consisted of five research papers of high quality, covering diverse topics. Each paper was reviewed by at least 3 reviewers. We are very grateful to the members of the RDDS 2008 Technical Program Committee for helping us to assemble such an outstanding program. We would like to express our deep appreciation to the authors for submitting publications of such high quality, and for sharing the results of their research work with the rest of the community.

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Achour Mostefaoui
Eiko Yoneki