

Workshop on Reliable Peer-to-Peer Distributed Systems

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Preface

Peer-to-peer interaction has recently emerged as an attractive paradigm to build large-scale distributed systems. Peer-to-peer systems are fully decentralized, self-organizing, and self-repairing. Participating entities have, in principle, equal responsibilities concerning the provision of the various services that are offered. However, although the lack of centralized management enhances scalability and reliability, it also introduces new problems concerning the management of those services. This workshop will focus on the reliability that peer-to-peer distributed systems have to offer. The key question is whether a large set of relatively unreliable nodes can deliver superior reliability compared to traditional “highly-engineered” centralized solutions. The quality of papers we received was very high and we would like to thank all the authors for their participation. We selected 9 papers to be presented at the workshop and be included in the proceedings. These papers represent hot topics in reliable peer-to-peer distributed systems and we believe we will have a fascinating and lively workshop.

Anne-Marie Kermarrec and Robbert van Renesse