Workshop
Algorithms and Protocols for
Efficient Peer-to-Peer Applications

Peer-to-peer protocols and applications have attracted much attention recently. Especially file-sharing applications like Gnutella, Kazaa, and e-Donkey have become very popular. But other areas in the field of communication networks and distributed systems have also begun to use peer-to-peer concepts. Meanwhile, peer-to-peer protocols are used in quite diverse areas, such as Internet telephony, multicast streaming of multimedia content, distributed databases, instant messaging services, and grid-computing middleware.

However, the algorithms and protocols that are based on peer-to-peer concepts are as diverse as the applications are. In order to achieve efficient, scalable solutions, it is thus especially important to select a suitable peer-to-peer approach for the respective application. Following the overall motto of the conference *Informatik verbindet*, this workshop aims at bringing together researchers from all areas of informatics to discuss how the diversity of peer-to-peer protocols and algorithms can be leveraged to create efficient and scalable solutions for all kinds of distributed systems. This breadth is reflected by the ten submissions for various areas of peer-to-peer research that we received in total. We selected six papers that we thought to be the most interesting for the expected attendants of this workshop. These are researchers from both, academia and industry who either have a peer-to-peer networking background, or have an interest in the application of peer-to-peer technology to other areas of distributed systems.

We thank all authors contributing to this workshop, all reviewers who helped us with our decisions on which submissions to accept, all our fellow program committee members, Ralf Steinmetz, Klaus Wehrle, Martina Zitterbart, and the organizers of the GI-Jahrestagung who provide us with the framework for this workshop.

<div align="right">

Thomas Fuhrmann
Hermann De Meer

</div>