

CALL FOR PAPERS

1st Workshop on Pervasive Group Communication (IEEE PerGroup)

URL: <http://pergroup.realmv6.org>

Miami, FL, USA, December 6, 2010,

held in conjunction with IEEE GLOBECOM 2010,
and co-sponsored by IEEE HCCTC sub-committee,
G-Lab, and The unbelievable Machine Company

Group communications have passed from research to deployment and back to a research issue. Newly deployed services, in particular IPTV, P2P content distribution, and collaborative applications, are stimulating current research on multicast, broadcast, concast, and anycast. Emerging design issues for a future multi-service Internet combined with the dynamic development of wireless access technologies challenge the community to rethink the position of group communications along the stack.

The PerGroup workshop invites the community to share efforts in search of seamless, pervasive group services, and to discuss directions on a human-centric multi-service Inter-networking architecture. We welcome contributions that design new solutions or analyze existing deployments, but also those that present striking problem statements or early conceptual work.

Topics of interest include, but are not limited to:

System Design & Methodology:

- Architectures and protocols for fixed, wireless and ad hoc networks
- Protocols and interfaces for intuitive group communications
- Intra- and Inter-domain group communication
- Native, overlay (including P2P) and hybrid multicast
- Topology analysis & measuring, mining and modeling of media-rich social networks
- Measurement, simulation and analytical studies as well as deployment experiences

Supporting Technologies:

- Multipath routing / extension of emerging routing schemes
- Cooperative relaying and network coding
- Service placement and service location
- Security and privacy issues for multicast, anycast, and broadcast
- Real-time and QoS aspects

Applications:

- Adaptive content distribution, e.g., video broadcasting
- Application-layer traffic optimization and provider interaction
- Multicast & anycast in a future multi-service Internet
- New data distribution models to facilitate group communication
- Frameworks for human centric based group communications

IMPORTANT DATES

Full paper: June 25, 2010
Notification: August 12, 2010
Final version: August 31, 2010

ORGANIZATION COMMITTEE

Workshop Co-Chairs:

Thomas C. Schmidt, HAW Hamburg, Germany
Matthias Wählisch, Freie Universität Berlin, Germany
Georg Wittenburg, Freie Universität Berlin, Germany

Program Committee:

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SUBMISSION GUIDELINES

Authors are invited to submit full papers of up to five double-column, IEEE conference-style pages. One additional page will be allowed with additional publication fee. All submitted papers will be carefully evaluated by at least three reviewers based on originality, significance, technical soundness, and clarity of expression. Accepted papers will appear in the IEEE GLOBECOM proceedings and will be included in IEEE digital library.

At least one of the authors of accepted papers must attend the workshop to present the paper. An accepted paper must be registered before the registration deadline. IEEE reserves the right

to exclude a paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the workshop. In case of double submissions or (self-)plagiarism, the paper will be excluded from the technical program.

Further information: <http://pergroup.realmv6.org/submission.html>

CONTACT

For further information regarding PerGroup 2010 and paper submission, please contact pergroup_2010-chairs@edas.info.