The work-in-progress (WiP) session, included in PerCom 2010 for the fifth year, gives its participants an opportunity to present and discuss early and emerging results and bring about novel research questions, approaches, and directions. The specific aim of the WiP session is to provide a forum for timely presentation, discussion and feedback for novel, controversial, and thought provoking ideas. Papers submitted to the WiP session report on early or ongoing research on any aspect of pervasive computing and communications. Ongoing experimentation and novel approaches and results are especially sought for.

Again this year, submitted papers covered a broad range of pervasive computing research and applications. This is a solid indication that pervasive computing, as a technological paradigm, is constantly permeating an increasing number of scientific, business and social domains. Most of the papers submitted this year presented ongoing research in networks and context awareness, indicating that these two areas remain at the forefront of pervasive computing research and still contain unresolved issues. Other papers described ongoing research in middleware, activity management, services and application of pervasive computing to domains such as urban environments, allergy detection, trust management, social activity, sports training, speech recognition and even robotics; these are indicators of the emerging research domains, which will draw the attention of the research community in the coming years.

In total, we received 44 submissions, each of which was evaluated by at least three reviewers. In the end, 15 of these papers were selected for inclusion in the program, making the WiP session a highly competitive, but still open, event. Indeed, the WiP session has established a tradition of fostering competitiveness and novelty, as the authors are required to present their papers using posters, while at the same time they are given the opportunity to address the PerCom conference audience during the special WiP session!

In addition to the researchers who submitted their papers to the WiP session, we would like to thank the fellow members of the program committee who reviewed the papers and assisted us in selecting the best among them.

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